

SEQUENCE LISTING

<110> Daly, Mark J.
 Hudson, Thomas J.
 Lander, Eric S.
 Rioux, John
 Siminovitch, Kathy

<120> IBD-Related Polymorphisms

<130> 2825.1025-002

<140> 09/735,271

<141> 2000-12-11

<150> 60/170,257

<151> 1999-12-10

<150> 60/196,046

<151> 2000-04-10

<160> 2358

<170> FastSEQ for Windows Version 4.0

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<400> 3
 acacgcatag gaaactcctt ccagagggtt ttcncctgtc tctgtaggaa ggggggcccc 60
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<210> 4
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<400> 4
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 ag 62

<210> 8
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29

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<223> n = A,T,C or G

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56

<210> 15

<211> 63

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gag

60
63

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aaggccctca ttgattcatg attangtggt ttgttggtgt ccatgcct 48

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gctccaagcc ctggggaggg aaggaagtgg ctgacccac 40

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ctttcatgta gaaagagcta gtagtacttg attntataat gcttaccatg tccatatgaa 60
caagcttcc 69

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<400> 20
gggttttggtg tatctaaaat aggnacctc agccttaaaa cctcatct 48

<210> 21
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<400> 21
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<210> 22
 <211> 23
 <212> DNA
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<400> 22
 cagtaaatat ytaggcctat gtc 23

<210> 23
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 <213> Homo sapiens

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<400> 23
 aatttattta tttgctttta aataagtgan ctctctgctc atttgattc tgctatctcg 60
 ta 62

<210> 24
 <211> 59
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 <223> n = A,T,C or G

<400> 24
 ttattttattt gcttttaaata aagtgactct nctgctcatt tggattctgc tatctcgta 59

<210> 25
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<400> 25
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<210> 26
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 <223> n = A,T,C or G

<400> 26
 cccccacat ctctcgggtg gcgaagggan aatggtatct ttaataccaa aaagataat 59

<210> 27
 <211> 59
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 <223> n = A,T,C or G

<400> 27
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<210> 28
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 <223> n = A,T,C or G

<400> 28
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<210> 29
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 <223> n = A,T,C or G

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 gggaggcaga cattaggcaa ataatnacat ggatctctga aaaacatagc tcctacga 58

<210> 30
 <211> 50
 <212> DNA
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 <223> n = A,T,C or G

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 agaggaatgg ggtggagtgc gcagnggggc tggttctcgg ctctccccga 50

<210> 31
 <211> 50
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 <223> n = A,T,C or G

<400> 31
 ctggcttagg ccaaagaact ggccangtta cagttcccac agagtaccg 50

<210> 32
 <211> 53
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 <223> n = A,T,C or G

<400> 32
 aggtgagtg aggtgtacta gggantctgg aactgagcc cctgaagtg ggg 53

<210> 33
 <211> 45
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 <223> n = A,T,C or G

<400> 33
 gcggctgcag ggggaggcac aagcntgggc caggcgccaa gcggc 45

<210> 34
 <211> 29
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 atgtgctacc atggccaact aatgtttga 29

<210> 35
 <211> 61
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 <223> n = A,T,C or G

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t 61

<210> 36

<211> 60

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<223> n = A,T,C or G

<400> 36

ccacattttc ttaatccagt ctatcattgn tggacatttg ggttggttcc aagtctttgc 60

<210> 37

<211> 60

<212> DNA

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<223> n = A,T,C or G

<400> 37

tccttcacag gacaggaatt ctgcaaaaana aacatttcat tagcttgcat tggtaagcat 60

<210> 38

<211> 57

<212> DNA

<213> Homo sapiens

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<222> (1)...(57)

<223> n = A,T,C or G

<400> 38

aaatgggttac tgtataccat tacctatctg ctttnggggt ggggtggcgcg gggggga 57

<210> 39

<211> 62

<212> DNA

<213> Homo sapiens

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<222> (1)...(62)

<223> n = A,T,C or G

<400> 39

aataggtgtc gatttgcagt gacaatgtga gncaattagt ttatcaggag aagctaacga 60
tg 62

<210> 40
 <211> 61
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 <223> n = A,T,C or G

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 c 61

<210> 41
 <211> 63
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 <223> n = A,T,C or G

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 tcg 63

<210> 42
 <211> 67
 <212> DNA
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 <223> n = A,T,C or G

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 ccaacct 67

<210> 43
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 <223> n = A,T,C or G

<400> 43
 ctctttgcta acatatttaa tatttaaata cnaggaaaaa caataaatta ctcgttggct 60
 ga 62

<210> 44
 <211> 52
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<213> Homo sapiens

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<222> (1)...(52)

<223> n = A,T,C or G

<400> 44

atgtcgcctt ttctgtctct tccctenttt tcctagaagt cctccagaaa cc 52

<210> 45

<211> 57

<212> DNA

<213> Homo sapiens

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<222> (1)...(57)

<223> n = A,T,C or G

<400> 45

ctggagtgcc gctacttggc cgtgtgaccc cnctacgggc ctgtttccta atctgta 57

<210> 46

<211> 64

<212> DNA

<213> Homo sapiens

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<222> (1)...(64)

<223> n = A,T,C or G

<400> 46

ataatgcaga acaaattaga gaaaaactcc ngtcaggctc tccactcacc catggctggt 60
ggct 64

<210> 47

<211> 57

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(57)

<223> n = A,T,C or G

<400> 47

aaacaaacaa tgcccggcag agtcaccngg gctggccatt tgaaaagagt acatcag 57

<210> 48

<211> 58

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

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gggagggtc ctggaacca gagagaccng taggagggga ctgccggcag gagctgtg 58

<210> 49
<211> 63
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<223> n = A,T,C or G

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gcggcatctc catccttcca atgaacttga gcntgagcaa tgaacttgag tgtacagtct 60
cat 63

<210> 50
<211> 63
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<223> n = A,T,C or G

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tactttatct tcaattcgca gttgggtgaa aaantctgca aatacgtagc cctcccagtt 60
caa 63

<210> 51
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<223> n = A,T,C or G

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cagtagtgct aggaaagaga tgtggattac tgcntctgtg caatgataaa gcagtaagtt 60
atccg 65

<210> 52
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<223> n = A,T,C or G

<400> 52
tgtagtaaaa acattcaaaa tcctctcttc nagctatcaa gttattttgt aatttg 56

<210> 53

<211> 61
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<223> n = A,T,C or G

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ctaaactggg gtcataatttc ctcatacagcc ncattctgct aatgccagat gccctgggaa 60
g 61

<210> 54
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tctgctaatag ccagatgccc tgggaagntc ttcactgccca tcttggaagg atgcaga 57

<210> 55
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<210> 56
<211> 59
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ctgctcccat cttccctata ccattgtctga ncccttgagc cataacatgg atggacagc 59

<210> 57
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<223> n = A,T,C or G

<400> 57

aagctacaca agatgggcat ttggcctttt accaacaatgc ttgttccttg actt 54

<210> 58

<211> 61

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

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cagcaaacc catgcaaaca ttcagcattt canggctgag gccacacaca gaagccatca 60
g 61

<210> 59

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<222> (1)...(52)

<223> n = A,T,C or G

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aaaccccatg caaacattca gcatttcacn gctgaggcca cacacagaag cc 52

<210> 60

<211> 57

<212> DNA

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ggtagccac agatgtttct gtggctacca acngagaaaa gccatctttt aaacagc 57

<210> 61

<211> 69

<212> DNA

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<223> n = A,T,C or G

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gccatctttt aaacagcaga aatctcactc gttcnctgt cccactctct cctgtcaat 60
ccccaggac 69

<210> 62
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 caac 64

<210> 63
 <211> 38
 <212> DNA
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 <223> n = A,T,C or G

<400> 63
 ggggcttgcg cagcactggg ccngggacgc agacccaa 38

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 <223> n = A,T,C or G

<400> 64
 cagcactggg ccggggacgc agacccaana cgacagcagg cagcgccgag cg 52

<210> 65
 <211> 29
 <212> DNA
 <213> Homo sapiens

<400> 65
 tggaaggggc cgacatggca atgaatcta 29

<210> 66
 <211> 27
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 <213> Homo sapiens

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<400> 66

cccaggttgg tttngaactc ctggctt 27

<210> 67
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 <223> n = A,T,C or G

<400> 67
 actgctgggc cngtgtggt ggct 24

<210> 68
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<400> 68
 gctgggccgg gtgnggtggc tcacccc 27

<210> 69
 <211> 26
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<400> 69
 aggcaggtgg atcacnaggt caagga 26

<210> 70
 <211> 19
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 <223> n = A,T,C or G

<400> 70
 gtaaaattta ntttttttt 19

<210> 71
 <211> 23
 <212> DNA
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<400> 71
 ttagaaaaac nactgctggg ccg

23

<210> 72
 <211> 31
 <212> DNA
 <213> Homo sapiens

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<400> 72
 ctcagaaaaa caaaacanaa caaaaagaaa c

31

<210> 73
 <211> 25
 <212> DNA
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<400> 73
 taaaaattta antttttttt ttttt

25

<210> 74
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<400> 74
 aaaaanaaac aacactttag ag

22

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 aactcctgac ctaangtgat ccgctgctt

30

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<400> 76
 gttttttttt ntttgagaca gaa

23

<210> 77
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 <223> n = A,T,C or G

<400> 77
 tttcctttac catnctgtcc tcatat

26

<210> 78
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 <223> n = A,T,C or G

<400> 78
 ccatacctgtc ntcatatata aact

24

<210> 79
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<400> 79
 tgggttgcttc tacntttttt ttt

23

<210> 80
 <211> 25
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<223> n = A,T,C or G

<400> 80
tatttttgcc tcngtggatt ctcct 25

<210> 81
<211> 26
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<222> (1)...(26)
<223> n = A,T,C or G

<400> 81
gtgctgggat tanaggtgtg aaccac 26

<210> 82
<211> 29
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<213> Homo sapiens

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<223> n = A,T,C or G

<400> 82
aggtgtgaac cactgntccc agccacttc 29

<210> 83
<211> 26
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 83
ttcatttatg cacatnacac acacac 26

<210> 84
<211> 27
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 84
ttccatccac tgtgnacagt gttattt 27

<210> 85

<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 85
ggaattctgc aaaanaaaca tttcatta

28

<210> 86
<211> 26
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 86
ggtaagcatt tgtcntgcct gcctgt

26

<210> 87
<211> 36
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(36)
<223> n = A,T,C or G

<400> 87
accattacct atctgctttn ggggtgggtg gcgcgg

36

<210> 88
<211> 37
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(37)
<223> n = A,T,C or G

<400> 88
tccttccttg agtgcctca ncggttcct ggggtac

37

<210> 89
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 89
cacgccacca tcntctctag cctgggttt 28

<210> 90
<211> 22
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 90
atcttgcttc natgctttcc cc 22

<210> 91
<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 91
ccctacaacc natctgtcag 20

<210> 92
<211> 33
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(33)
<223> n = A,T,C or G

<400> 92
aagggtgctg cagctccnaa ggagtgttta gaa 33

<210> 93
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)
<223> n = A,T,C or G

<400> 93
gagcagcaca tggnccaagt gaggagctaa g 31

<210> 94
<211> 36

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

<400> 94
 tcccaccagc cagaggtaac tantgctggt aatatt

36

<210> 95
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(33)
 <223> n = A,T,C or G

<400> 95
 ggtggtatta gagaacangg gattgagagc tgc

33

<210> 96
 <211> 22
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 96
 gcagattttt gnttctgtaa at

22

<210> 97
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 97
 agttcatatt ttaangtttt ttcagg

26

<210> 98
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 98
 cttcttttact cnttacatat accat 25

 <210> 99
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(40)
 <223> n = A,T,C or G

 <400> 99
 aaccctctaa agatattttt naaaggactt tctaaaggaa 40

 <210> 100
 <211> 38
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(38)
 <223> n = A,T,C or G

 <400> 100
 gtgcaaggcc ttaacgtttt anttgctctg gtatcgca 38

 <210> 101
 <211> 31
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(31)
 <223> n = A,T,C or G

 <400> 101
 tctagctctg gctgntgagt gtgtctgccca g 31

 <210> 102
 <211> 34
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
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 <223> n = A,T,C or G

 <400> 102
 tttggtaa at aggaaatngc tccaactact tgtc 34

 <210> 103
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n = A,T,C or G

<400> 103
 ggagatttta tanacacaca

20

<210> 104
 <211> 16
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(16)
 <223> n = A,T,C or G

<400> 104
 ccctatctca naaaaa

16

<210> 105
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 105
 atgaaatgag atagtccagc taaangcccg aagag

35

<210> 106
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 106
 agagcaagct naggagctc

19

<210> 107
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 107
 gctctggacg gcnagcccg gaacc

25

<210> 108
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 108
acaatgtgag ncaattagtt t

21

<210> 109
<211> 19
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(19)
<223> n = A,T,C or G

<400> 109
agcactgggg nacaatgtt

19

<210> 110
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 110
tcaggaatga cntttttttt

20

<210> 111
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 111
aagagctacn gtcttaccaa

20

<210> 112
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(18)
 <223> n = A,T,C or G

<400> 112
 cctcacccna gcagtga

18

<210> 113
 <211> 17
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(17)
 <223> n = A,T,C or G

<400> 113
 tatgaatttc ntttttt

17

<210> 114
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 114
 tgcaatggcn cagtctcagc t

21

<210> 115
 <211> 22
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 115
 ccttgggcac nctactcagc ct

22

<210> 116
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 116
 ctggccagan gggccctccc c

21

<210> 117

<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 117
aggatttcan gcaggaaagt 20

<210> 118
<211> 23
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(23)
<223> n = A,T,C or G

<400> 118
agcttggtcag ncttcatcta att 23

<210> 119
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 119
ggatctcgca cnggaaggaa tt 22

<210> 120
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 120
gtactttggt natttaaata at 22

<210> 121
<211> 19
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(19)

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<223> n = A,T,C or G

<400> 121
ttgacaaaaan tggccatga
19

<210> 122
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 122
tagaagattt naaaattgta a
21

<210> 123
<211> 27
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(27)
<223> n = A,T,C or G

<400> 123
cacacgctca natccaagcc accccaa
27

<210> 124
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 124
gtgcatggnt gtcccctccc c
21

<210> 125
<211> 19
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(19)
<223> n = A,T,C or G

<400> 125
tctctgttcn catcttatac
19

<210> 126
<211> 17

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(17)
<223> n = A,T,C or G

<400> 126
tccatactng ttgaatg 17

<210> 127
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(18)
<223> n = A,T,C or G

<400> 127
agagcacana cacatgga 18

<210> 128
<211> 30
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(30)
<223> n = A,T,C or G

<400> 128
ctagatgaag ggcatangca gaagacattt 30

<210> 129
<211> 28
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(28)
<223> n = A,T,C or G

<400> 129
gggctgggggt tcccngggtg ccaagggg 28

<210> 130
<211> 32
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(32)
<223> n = A,T,C or G

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<400> 130
cctccgtaaa tatccttnca gccttaaacc ct
32

<210> 131
<211> 23
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(23)
<223> n = A,T,C or G

<400> 131
atttaaatac naggaaaaac aat
23

<210> 132
<211> 34
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(34)
<223> n = A,T,C or G

<400> 132
tattaccagg gactcctggn gtccactgct ttag
34

<210> 133
<211> 36
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(36)
<223> n = A,T,C or G

<400> 133
aacccttggc tccaagtgcn agcagccaca gtcttc
36

<210> 134
<211> 33
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(33)
<223> n = A,T,C or G

<400> 134
ttcgaagttt cagttgaacn gtccctcgcg aaa
33

<210> 135
<211> 30
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 135
 gacaaagagg tcagcacntg agtagaacgc

30

<210> 136
 <211> 36
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

<400> 136
 aaggagcggg ctctactaan gaatcctcct gtaagg

36

<210> 137
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 137
 tgtaagggcg ggcctatnat ggtgctgggg agaat

35

<210> 138
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 138
 tcctgctctt cctcctttt cctagaagtc ctcc

34

<210> 139
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 139
 tggccgtgtg accccnctac gggcctgttt ccta

34

<210> 140
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 140
 taccaaaggg ccgctccngg cacttggcgc atgtg

35

<210> 141
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 141
 ttcttaggtg ttgntttttt ttttttt

27

<210> 142
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 142
 ttccattggt ttcanttgga atttatattt ttaatgt

37

<210> 143
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 143
 ttccattggt ttcanttgga atttatattt ttaatgt

37

<210> 144
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(20)
 <223> n = A,T,C or G

 <400> 144
 tctaaactgtn tctttaaactg 20

 <210> 145
 <211> 36
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(36)
 <223> n = A,T,C or G

 <400> 145
 ttattccatt gttttcantt ggaatttata ttttta 36

 <210> 146
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

 <400> 146
 ctgacatatt ttatttantt attagtattt tttttga 37

 <210> 147
 <211> 25
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

 <400> 147
 aagcagagcc anacatacat ctcac 25

 <210> 148
 <211> 24
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(24)
 <223> n = A,T,C or G

 <400> 148
 agaaagggac tntctggagc cagg 24

 <210> 149

<211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 149
 tttttctctg ccancatagt ccttatgca

29

<210> 150
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 150
 gcaagccaga ngacagggcc acag

24

<210> 151
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 151
 cctgtctttg aatncaaact gctgtc

26

<210> 152
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 152
 atgcatggca tgttcnttt

19

<210> 153
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(18)

<223> n = A,T,C or G

<400> 153

tagagacnga gtttcacc

18

<210> 154

<211> 18

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(18)

<223> n = A,T,C or G

<400> 154

ctggagtnca atggcacg

18

<210> 155

<211> 36

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(36)

<223> n = A,T,C or G

<400> 155

atgaaaactc taacggntct tcagcttctt gttcta

36

<210> 156

<211> 31

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(31)

<223> n = A,T,C or G

<400> 156

tgattttaga attttattna aaaaaagtca a

31

<210> 157

<211> 22

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(22)

<223> n = A,T,C or G

<400> 157

tttttcttat ngcatttttg ct

22

<210> 158

<211> 25

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 158
 aattagccag gngtgggagc gcgca

25

<210> 159
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 159
 ctgacattac cagnggaaaa caatggctg

29

<210> 160
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 160
 cgagactcca tctggnaaa

19

<210> 161
 <211> 17
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(17)
 <223> n = A,T,C or G

<400> 161
 aaangagttt cctctgg

17

<210> 162
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 162
 cagcttctta tggtgntttt attcctcag 29

 <210> 163
 <211> 33
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(33)
 <223> n = A,T,C or G

 <400> 163
 ttaggttctt tggaagcngg tttatgaact aat 33

 <210> 164
 <211> 26
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 164
 aagattcaat gnaatcagtg acttgt 26

 <210> 165
 <211> 24
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(24)
 <223> n = A,T,C or G

 <400> 165
 ggtagatgtg ntattacaaa gatg 24

 <210> 166
 <211> 17
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(17)
 <223> n = A,T,C or G

 <400> 166
 aaaaaantta ttacccg 17

 <210> 167
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 167
 gagctagact ctgtctcnaa a

21

<210> 168
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 168
 tctactaaan atacaaaaa

19

<210> 169
 <211> 15
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(15)
 <223> n = A,T,C or G

<400> 169
 atacaanaat tagcc

15

<210> 170
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 170
 aaatacaaat aganaacata caaaa

25

<210> 171
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 171
 taccttgang tgtgttctg

19

<210> 172
<211> 26
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 172
gtggctcaca cntgcaatcc cagcac 26

<210> 173
<211> 23
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 173
cccaggaagt cnaggctgca gtg 23

<210> 174
<211> 23
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(23)
<223> n = A,T,C or G

<400> 174
gagccagact ctgtcttnaa aaa 23

<210> 175
<211> 30
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(30)
<223> n = A,T,C or G

<400> 175
ctctatctct actaaanata caaaaattag 30

<210> 176
<211> 29
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(29)
 <223> n = A,T,C or G

<400> 176
 atacaaaaat tagcnggtgt ggtggtggg

29

<210> 177
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 177
 gaatgaactc cagcntgggt gacagagcc

29

<210> 178
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 178
 gactctaagg tgagcncctga ataaagccct

30

<210> 179
 <211> 37
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 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n = A,T,C or G

<400> 179
 gtatatgtga ttagtatngg gtaatacatt ccaaattg

37

<210> 180
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 180
 ggcaaaaaga gcgaaactct gtctcaaaaa aan

33

<210> 181

<211> 39
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(39)
<223> n = A,T,C or G

<400> 181
agcctggcctt tgttccttaa naagcctaaa ttgctagaa 39

<210> 182
<211> 33
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 182
ccaagctccc tcatagntcc tcattctgct cag 33

<210> 183
<211> 33
<212> DNA
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<220>
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<400> 183
tttttctttt ttttttctga gacagttttt ttc 33

<210> 184
<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 184
agagactccg tctcnaaaaa 20

<210> 185
<211> 35
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(35)

<223> n = A,T,C or G

<400> 185

ttttctgcag taatacntat taaaaattta gattc

35

<210> 186

<211> 33

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(33)

<223> n = A,T,C or G

<400> 186

cagaaccctc atagcatgng atcactgata aag

33

<210> 187

<211> 31

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(31)

<223> n = A,T,C or G

<400> 187

catcaacaag gttcttanag aattcctaag g

31

<210> 188

<211> 29

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(29)

<223> n = A,T,C or G

<400> 188

aaatgagaaa atctanaatg aatctctgt

29

<210> 189

<211> 29

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(29)

<223> n = A,T,C or G

<400> 189

tatcacttct tcagtnataa agttcttaa

29

<210> 190

<211> 40

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(40)
 <223> n = A,T,C or G

<400> 190
 aacaggtatt taatattctt cacattncag taataaagac

40

<210> 191
 <211> 15
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 191
 ttttagagnt ttttt

15

<210> 192
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 192
 aagtgctggn atatacac

18

<210> 193
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 193
 cagtcctata tttcaaanga gcaaacagac a

31

<210> 194
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 194
 aaactatttt actaaanaga agtccccatt a 31

<210> 195
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 195
 aaactctatc ttnaaaaaaa aaaa 24

<210> 196
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 196
 tgttgtgcan agtaagagaa 20

<210> 197
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 197
 cctaacatta nttcaaaata a 21

<210> 198
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 198
 agtttttttna aattttttt 18

<210> 199
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 199
 aaaaattana aaaattagc 19

<210> 200
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 200
 aggctgaggn atgggaatc 19

<210> 201
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 201
 aacaagcttn tctttaaac 19

<210> 202
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 202
 ttttttttna gctctgattc 20

<210> 203
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 203
 atgctagcna tgtaaaaaa 19

<210> 204
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 204
aaaaaaacan aaggcact

18

<210> 205
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 205
gaagggtcan acaggaaag

19

<210> 206
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 206
ggagcaaaaa naaatgttta

20

<210> 207
<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 207
atatattccn agaaatgcat

20

<210> 208
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

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<222> (1)...(21)
<223> n = A,T,C or G

<400> 208
aatgcatca ntaggcaatt t
21

<210> 209
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 209
gacgaccttt tnaaaaaaaaa a
21

<210> 210
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 210
ttttaataac ntgtaaaatg cc
22

<210> 211
<211> 17
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(17)
<223> n = A,T,C or G

<400> 211
gctgctggnt gagaggt
17

<210> 212
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 212
gctttttaaa ntttttct
18

<210> 213

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<211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 213
 ctacaaagtn tatttaaggg 20

<210> 214
 <211> 22
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 214
 ttttgcttca naggcctttcc tt 22

<210> 215
 <211> 22
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(22)
 <223> n = A,T,C or G

<400> 215
 taaactatat atangtgtgt gt 22

<210> 216
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 216
 tctgggagta ntggcacaca 20

<210> 217
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(37)

<223> n = A,T,C or G

<400> 217

accagtaatt atttaaaaat naaagtacta attgttt

37

<210> 218

<211> 36

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(36)

<223> n = A,T,C or G

<400> 218

agccggggcgt ggtggcagnt gcctgtaatc ccagct

36

<210> 219

<211> 21

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(21)

<223> n = A,T,C or G

<400> 219

gttttgagan agtctcactc t

21

<210> 220

<211> 32

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(32)

<223> n = A,T,C or G

<400> 220

taattttaaa ggctctgntc cctgctcttt tc

32

<210> 221

<211> 20

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(20)

<223> n = A,T,C or G

<400> 221

acttccttcn ctccccaggg

20

<210> 222

<211> 20

<212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 222
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20

<210> 223
 <211> 17
 <212> DNA
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 <223> n = A,T,C or G

<400> 223
 tggatggang gacgaac

17

<210> 224
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 224
 taggggaggn cattccag

18

<210> 225
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 225
 caaggggaag ngcattccag

20

<210> 226
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 226
gcagtgggnc aagtgtgg 18

<210> 227
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 227
gtttgttngt tttttgag 18

<210> 228
<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 228
actgggatgn tcctaaactg 20

<210> 229
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 229
gacttttttna atagagat 18

<210> 230
<211> 20
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<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 230
caagacagtg nataaatagc 20

<210> 231
<211> 18
<212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 231
 aaagaaaant cagaattt

18

<210> 232
 <211> 20
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<220>
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 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 232
 cctccttccc cncttctctc

20

<210> 233
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 <223> n = A,T,C or G

<400> 233
 tcaaaagaga ncaatgatga

20

<210> 234
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 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 234
 aaagtactan tatgaaaat

19

<210> 235
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<220>
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 <223> n = A,T,C or G

<400> 235
 tatatatana cacacatac

19

<210> 236
<211> 17
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 236
gaagaaanag tgcagtg 17

<210> 237
<211> 20
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<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 237
aaaatatgcn tcaggagtga 20

<210> 238
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 238
aaaaaaaagnc caacagaaa 19

<210> 239
<211> 19
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 239
tttttttttn agggagagt 19

<210> 240
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(21)
 <223> n = A,T,C or G

<400> 240
 ttctgttgct cnggctggag t

21

<210> 241
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 241
 aacttagaan tctcccagg

19

<210> 242
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 242
 aggaattgaa nttaataga

19

<210> 243
 <211> 17
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(17)
 <223> n = A,T,C or G

<400> 243
 cacttggtgnt gattaat

17

<210> 244
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 244
 gcaagaagcn caacaaacc

19

<210> 245

<211> 17
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(17)
 <223> n = A,T,C or G

<400> 245
 agtctccaac nttttttt

17

<210> 246
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 246
 ttaatatgat naaatgctca a

21

<210> 247
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 247
 cccccacaaa gnccgagaag cct

23

<210> 248
 <211> 34
 <212> DNA
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<220>
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 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 248
 aaaatcgaga tgaaggnttt gagcatttca gaga

34

<210> 249
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)

<223> n = A,T,C or G

<400> 249

ttgcagtgag ccnagatcac gtcact

26

<210> 250

<211> 29

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(29)

<223> n = A,T,C or G

<400> 250

tagagtttgt tcccnagagt ttgttccca

29

<210> 251

<211> 26

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(26)

<223> n = A,T,C or G

<400> 251

cttttagtttc atcttnccta ctgcca

26

<210> 252

<211> 19

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(19)

<223> n = A,T,C or G

<400> 252

ctggctccna attaataag

19

<210> 253

<211> 37

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(37)

<223> n = A,T,C or G

<400> 253

taaagtaaga atccctaagg ttnaaaaaaa aaaaaag

37

<210> 254

<211> 40

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(40)
 <223> n = A,T,C or G

<400> 254
 ttactttctgc aggagctnta gggagatgaa ggaagaagcc 40

<210> 255
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 255
 ccctggaggg agagctgngg tgaaggaaat gacac 35

<210> 256
 <211> 32
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(32)
 <223> n = A,T,C or G

<400> 256
 agagttaagt aggggncctt accaaggagc at 32

<210> 257
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 257
 aggctttctg cctncttcac ttcccca 27

<210> 258
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 258
 ggtagggcta ctnttatattt atggtt 26

 <210> 259
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

 <400> 259
 cctgggtcact attanaccct gcaacggcg 29

 <210> 260
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

 <400> 260
 agcacacggg gcanggtagg ctttctgcc 29

 <210> 261
 <211> 26
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 261
 gggcgatcac ctncctgcg ttcggg 26

 <210> 262
 <211> 26
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 262
 acaggctggg gccnggggcg ctgggc 26

 <210> 263
 <211> 49
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(49)
<223> n = A,T,C or G

<400> 263
agacgtgctgc cccagccccg ccgaancgag gccacccgga gccgtgccc
49

<210> 264
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

<400> 264
ccactcggag tcgcgctnccg cgcgccctca ctgcagcccc
40

<210> 265
<211> 28
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(28)
<223> n = A,T,C or G

<400> 265
aaaggatttg aattttgagn gaaaagtt
28

<210> 266
<211> 37
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(37)
<223> n = A,T,C or G

<400> 266
ctgcagtag tcctgtgggn tagatcttac taatgtc
37

<210> 267
<211> 32
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(32)
<223> n = A,T,C or G

<400> 267
ggaagaagtt cttacttccn tgtgggtgct ta
32

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<210> 268
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 268
acttcatatt tntcactgtg tccc

24

<210> 269
<211> 38
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(38)
<223> n = A,T,C or G

<400> 269
ggtccctgag ctcccngaga caacatgcag aattactg

38

<210> 270
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 270
gtcagccac ccattnagta actgttctct gctg

34

<210> 271
<211> 35
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 271
gagagagaaa agatgntcag aactccacct ggcac

35

<210> 272
<211> 24
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(24)
 <223> n = A,T,C or G

<400> 272
 tctccccgac tngcacatcc cagt

24

<210> 273
 <211> 40
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(40)
 <223> n = A,T,C or G

<400> 273
 cccagcact gtcgcctgt gctgtcagca gcactctccc

40

<210> 274
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n = A,T,C or G

<400> 274
 acctgtggct tctgctgtnc cccagcactg tcgcc

35

<210> 275
 <211> 40
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n = A,T,C or G

<400> 275
 gcaggggttg tcgngggcg ctcgatgtct tgcaaactaa

40

<210> 276
 <211> 40
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(40)
 <223> n = A,T,C or G

<400> 276
 caggtctggc agngacccc acaggtcagt gggatgactc

40

<210> 277

<211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 277
 actccagggtg agctgntcca ggtctggc

28

<210> 278
 <211> 39
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n = A,T,C or G

<400> 278
 ggccaggggt gcattttgng gtgctgggtc tccttcctc

39

<210> 279
 <211> 39
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 279
 ccataggggg aggcaagcga cngggacact aggaaggca

39

<210> 280
 <211> 37
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(37)
 <223> n = A,T,C or G

<400> 280
 ctgcagtaca gtgggggctg ntgagaggag ggaaggg

37

<210> 281
 <211> 33
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(33)

<223> n = A,T,C or G

<400> 281

gtgtgncaga gagacagaga gacagagaga gag

33

<210> 282

<211> 35

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(35)

<223> n = A,T,C or G

<400> 282

gcccagcatc tgagggntag ggggtgtaata cggca

35

<210> 283

<211> 40

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(40)

<223> n = A,T,C or G

<400> 283

aggctcaggag ttngagacca gcctgactaa catgggtgaaa

40

<210> 284

<211> 38

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(38)

<223> n = A,T,C or G

<400> 284

aatcagcctt taggatcngt taatatgatg atggcttt

38

<210> 285

<211> 38

<212> DNA

<213> Homo sapiens

<220>

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<223> n = A,T,C or G

<400> 285

ctgttgacac ctggctgntt gcattgtccc acaagtgc

38

<210> 286

<211> 29

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(29)
<223> n = A,T,C or G

<400> 286
ggaaagccac catnggaagg gaaggcagg                29

<210> 287
<211> 37
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(37)
<223> n = A,T,C or G

<400> 287
gccaaaggtg tgatactggc tnagaggagc tggctca        37

<210> 288
<211> 35
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(35)
<223> n = A,T,C or G

<400> 288
atggagaaag cttgggggca ggnccaggga gcagg          35

<210> 289
<211> 37
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(37)
<223> n = A,T,C or G

<400> 289
cacattgtga attagctacn gctgccatgc cttaagg        37

<210> 290
<211> 28
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(28)
<223> n = A,T,C or G

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<400> 290
 gggcagggcc agggngcagg gcggtaaa 28

 <210> 291
 <211> 32
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(32)
 <223> n = A,T,C or G

 <400> 291
 cctgatgccca ccgtcccnta ccctcataca ac 32

 <210> 292
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

 <400> 292
 ctgatgccac cgtcccctnc cctcatacaa ccttctt 37

 <210> 293
 <211> 27
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

 <400> 293
 ttgccctcca tccangccat tccctgt 27

 <210> 294
 <211> 27
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

 <400> 294
 aagctggact tctgtnggcc cctcaac 27

 <210> 295
 <211> 32
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(32)
<223> n = A,T,C or G

<400> 295
cacaaagaac taccccnttt tcagctgagc cc 32

<210> 296
<211> 34
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(34)
<223> n = A,T,C or G

<400> 296
gtgggggcct tcggggcnat gtcacctcag cctc 34

<210> 297
<211> 36
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(36)
<223> n = A,T,C or G

<400> 297
tcatgtgtga acacatanga cgtgtgtaaa tatgta 36

<210> 298
<211> 39
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(39)
<223> n = A,T,C or G

<400> 298
aaagtaaatt gtttataang ggtgtggcct ttttagaga 39

<210> 299
<211> 35
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(35)
<223> n = A,T,C or G

<400> 299
gaacagggac atgcatctnt tataaaatcc tttcg 35

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<210> 300
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

<400> 300
ttataaaatc ctttcggnca ggcgcggtgg ctcacacctg 40

<210> 301
<211> 38
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(38)
<223> n = A,T,C or G

<400> 301
tcacctgagg tcaggagttn gagaccagcc tgggtgaaa 38

<210> 302
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 302
actccagccc gggcaccnaa aaaa 24

<210> 303
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)
<223> n = A,T,C or G

<400> 303
tgaacccggg agatgnaggt tgcagtgagc t 31

<210> 304
<211> 37
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(37)
 <223> n = A,T,C or G

 <400> 304
 tccagcctgg gtgacaagag ngagactttg tctcaaa 37

 <210> 305
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <400> 305
 ttgtctcaaa aaaaaaaaaa tccttttg 28

 <210> 306
 <211> 33
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(33)
 <223> n = A,T,C or G

 <400> 306
 gaaggtgtgg atatgtgcnt ttctgtctc cct 33

 <210> 307
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

 <400> 307
 gatgctgtgt gaggggcagg nggactcctg ctgggta 37

 <210> 308
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 308
 tgtggatatg tgcntttcct gtctccct 28

 <210> 309
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <220>


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<221> misc_feature
<222> (1)...(30)
<223> n = A,T,C or G

<400> 309
ctcagtccca gaaacctat gtactgtgac
30

<210> 310
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(40)
<223> n = A,T,C or G

<400> 310
ctcagtccca gaaaccatat gnactgtgac cccgctcact
40

<210> 311
<211> 34
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(34)
<223> n = A,T,C or G

<400> 311
tctctactaa aaaanaacta accaggcgtg gtgg
34

<210> 312
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 312
ggaacagagg natagacagg a
21

<210> 313
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(18)
<223> n = A,T,C or G

<400> 313
agactctgtc tcnaaaaa
18

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<210> 314
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 314
 atcattctaa gganctgaca gtgcttctg

29

<210> 315
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 315
 gaagctaata ngcaaaccat c

21

<210> 316
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 316
 acctcaaagt ntggctggat a

21

<210> 317
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 317
 gtaagacaca ngcctgcaga g

21

<210> 318
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(31)
 <223> n = A,T,C or G

<400> 318
 aagacaacct agtctnctgt tctgctttaa a 31

<210> 319
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 319
 tgagttctta cacagtggtn aaacaaaca 29

<210> 320
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 320
 tgcttgctn gttgggat 18

<210> 321
 <211> 32
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(32)
 <223> n = A,T,C or G

<400> 321
 cacgtattaa agccacctac natataccac cc 32

<210> 322
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 322
 gagggcctaa ggctttgtcc tgccnctcct gccct 35

<210> 323

<211> 27
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 323
 tctgatagtg gcnggaacat cctgact

27

<210> 324
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 324
 tgtggggcctt tgcnttttt

19

<210> 325
 <211> 35
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

<400> 325
 gacccttgct tacatngtac ataacaatag ctata

35

<210> 326
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 326
 ggcaggntg tctggcaagg gaccagtcc

29

<210> 327
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(31)

<223> n = A,T,C or G

<400> 327

acacttattn taactgtcac cctgggcccc t

31

<210> 328

<211> 34

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(34)

<223> n = A,T,C or G

<400> 328

gctattttct tcnttgatt ctgcagtgac cagg

34

<210> 329

<211> 28

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(28)

<223> n = A,T,C or G

<400> 329

ttgacaaaca cttattntaa ctgtcacc

28

<210> 330

<211> 31

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(31)

<223> n = A,T,C or G

<400> 330

cattcactgt gctgttcngg gctagagaag a

31

<210> 331

<211> 38

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(38)

<223> n = A,T,C or G

<400> 331

cactgctgct ctgcagtgac ncctgcttcc ccctaagt

38

<210> 332

<211> 38

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(38)
<223> n = A,T,C or G

<400> 332
gtgaccctat tggatcttct cangccactg agggatat      38

<210> 333
<211> 33
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(33)
<223> n = A,T,C or G

<400> 333
caagaggggaa tggagtcttt ngcagagggg ctg      33

<210> 334
<211> 31
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(31)
<223> n = A,T,C or G

<400> 334
cttctgcttc tgcttctgnc ccttctgcct c      31

<210> 335
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 335
gagtgtgggtt tgagaagant ctgaggagtg ggac      34

<210> 336
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(28)
<223> n = A,T,C or G

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<400> 336
 tttttaaaga ctagtcnctg ggcgcggt 28

 <210> 337
 <211> 36
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

 <400> 337
 gagaatggcg tgaacccggg aggnagagct tgcagt 36

 <210> 338
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

 <400> 338
 aagcgagact ccatctcnaa aaaaaaaca aaaacaa 37

 <210> 339
 <211> 35
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(35)
 <223> n = A,T,C or G

 <400> 339
 gagcttgcag tgagctgana tcgcgccact gcact 35

 <210> 340
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

 <400> 340
 gaagtgaaaa ccaaatacnaa gggctacaga 30

 <210> 341
 <211> 21
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 341
ttgcaaccct ngcaaaggta a 21

<210> 342
<211> 28
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(28)
<223> n = A,T,C or G

<400> 342
catacacaag aangagttcc atttactg 28

<210> 343
<211> 38
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(38)
<223> n = A,T,C or G

<400> 343
aaaacaaaca aacaaacaaa caaanacact gtcatgcc 38

<210> 344
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 344
ggcaaataat nacatggatc tc 22

<210> 345
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 345
agttggcagn ggggctggtt c 21

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<210> 346
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 346
aaactgtgat ttncagtttc attt 24

<210> 347
<211> 24
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 347
ccctcagagg gcnggtactg gact 24

<210> 348
<211> 36
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(36)
<223> n = A,T,C or G

<400> 348
cttcacatctt ccctgccaan gaagctgggtg gtgccc 36

<210> 349
<211> 25
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(25)
<223> n = A,T,C or G

<400> 349
agccactact tgggcngctc agctc 25

<210> 350
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(31)
<223> n = A,T,C or G

<400> 350
cacacttctc ccacnagaaa taaagcaagc a 31

<210> 351
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<400> 351
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<210> 352
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<400> 352
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<210> 353
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<400> 353
acacacacac acantttttt gagagagag 29

<210> 354
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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 354
atgtgtagtg tgtgagaang tgtgagaggt actcg 35

<210> 355

<211> 32
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(32)
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<400> 355
 ttatgttcca ttgtacntat tcaccatatt tt

32

<210> 356
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 356
 atccactcct cntgtcatgg acatctg

27

<210> 357
 <211> 33
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<220>
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<400> 357
 tctaaagaaa aagaaagcng tgaattcttg gac

33

<210> 358
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 358
 gctctgtgcc aggcaggggn ctccgaggtg agtgt

35

<210> 359
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 <212> DNA
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<220>
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<223> n = A,T,C or G

<400> 359

ccaggcaggg ggctccgngg tgagtgtggc ct

32

<210> 360

<211> 34

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(34)

<223> n = A,T,C or G

<400> 360

agagaagggga actggcntgt gtggctgggc tgtg

34

<210> 361

<211> 34

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(34)

<223> n = A,T,C or G

<400> 361

gcaggctcag tggaaggaga gngtctcct tatg

34

<210> 362

<211> 32

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(32)

<223> n = A,T,C or G

<400> 362

atggggaact ctctanact gctggaggcg tg

32

<210> 363

<211> 27

<212> DNA

<213> Homo sapiens

<220>

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<223> n = A,T,C or G

<400> 363

agtcatggca ctanatggag cccaggg

27

<210> 364

<211> 27

<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 364
caccaggagg ttcagcnccc actgtgg 27

<210> 365
<211> 26
<212> DNA
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<400> 365
gcattcccagc gccnggccag tgggcc 26

<210> 366
<211> 30
<212> DNA
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<220>
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<400> 366
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<210> 367
<211> 26
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(26)
<223> n = A,T,C or G

<400> 367
gaacatactc atanccatgc ttcccc 26

<210> 368
<211> 27
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 368
 tacacttatg gtttgtgcnt ttttttt 27

 <210> 369
 <211> 24
 <212> DNA
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 <220>
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 <223> n = A,T,C or G

 <400> 369
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 <210> 370
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 <220>
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 <400> 370
 gcaggggtggg gagaangcca gactcagggt g 31

 <210> 371
 <211> 26
 <212> DNA
 <213> Homo sapiens

 <220>
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 <400> 371
 ggcccagccc ccccnggaa gtggat 26

 <210> 372
 <211> 27
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 372
 gtaaaaaaaaa anccctacag gtaaaag 27

 <210> 373
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
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 <223> n = A,T,C or G

<400> 373
 ccccatgtg ccangtcacc tcccttgtc

29

<210> 374
 <211> 22
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 374
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22

<210> 375
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 375
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26

<210> 376
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 376
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26

<210> 377
 <211> 25
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 377
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25

<210> 378
 <211> 34
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 <213> Homo sapiens

<220>
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 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 378
 cctgtcttaa aaaaaaaann ngctgggtgt ggtg 34

<210> 379
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 379
 aattgcttga acccnggagg cagagggtt 28

<210> 380
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(31)
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<400> 380
 ccaaccaacc anccaaatgg tattaactct c 31

<210> 381
 <211> 24
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<220>
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 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 381
 cacttacctt gcccgcccc accc 24

<210> 382
 <211> 27
 <212> DNA
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<220>
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<222> (1)...(27)
 <223> n = A,T,C or G

 <400> 382
 tccttccttg aacctntgtg gatttct 27

 <210> 383
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 383
 tgggtcaacag tcccanctga gcccagcc 28

 <210> 384
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(29)
 <223> n = A,T,C or G

 <400> 384
 cttgaggtgc ctcntaagag gtccaatga 29

 <210> 385
 <211> 30
 <212> DNA
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 <220>
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 <222> (1)...(30)
 <223> n = A,T,C or G

 <400> 385
 ttattccagt cacctngagt cattccagtc 30

 <210> 386
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 386
 agggagaag aagaancaag aggaagagga 30

 <210> 387

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<211> 32
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<220>
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 387
gaaagccaaa attaaaaaaa aantcaacag aa 32

<210> 388
<211> 30
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(30)
<223> n = A,T,C or G

<400> 388
agtcaggctg tctcggcngc taaaagaggc 30

<210> 389
<211> 29
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 389
tgcttggtgg ggctcnagcg ttaccgccg 29

<210> 390
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 390
ttcacccatt gttctcncta ttcccttt 28

<210> 391
<211> 32
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 391
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<210> 392
<211> 36
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(36)
<223> n = A,T,C or G

<400> 392
taatgacatt cccttgtag aatgtgcca tgtgga 36

<210> 393
<211> 22
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 393
gatcacatta nttgcctgag tt 22

<210> 394
<211> 29
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<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 394
ttgcctgagt tcncaagttg gttaagaga 29

<210> 395
<211> 33
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(33)
<223> n = A,T,C or G

<400> 395
tctcatcaat aaatatttat nnncttcac att 33

<210> 396
<211> 25

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<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(25)
<223> n = A,T,C or G

<400> 396
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<210> 397
<211> 26
<212> DNA
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<220>
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<222> (1)...(26)
<223> n = A,T,C or G

<400> 397
aaaaaaaaaa ngccctagac cctctg                26

<210> 398
<211> 27
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<220>
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<222> (1)...(27)
<223> n = A,T,C or G

<400> 398
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<210> 399
<211> 25
<212> DNA
<213> Homo sapiens

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<400> 399
agattgtgcc actgngcttc agtct                25

<210> 400
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<400> 400
 gggagacccg gagggagnta ggggaagtg 28

 <210> 401
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 <220>
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 <400> 401
 caacagcctg gcagngaggg cctgtct 27

 <210> 402
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 <220>
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 <400> 402
 actagagggg tttttanaga gaagtgacat gat 33

 <210> 403
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
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 <400> 403
 taaggaatac gggtttgnac gtaagtgtga gatgcct 37

 <210> 404
 <211> 27
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 <213> Homo sapiens

 <220>
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 <222> (1)...(27)
 <223> n = A,T,C or G

 <400> 404
 cagggtggaan tgtgaatctg gggagag 27

 <210> 405
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 405
 aagactctgt ctcnaaaaa

19

<210> 406
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 406
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31

<210> 407
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 407
 gaacttagat ttgcgncct tagcattcaa c

31

<210> 408
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 408
 caatgcatga tcctntctga gcctcagc

28

<210> 409
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 409
 ttgatactca gtangtacag cttatt

26

<210> 410
 <211> 23
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 <213> Homo sapiens

<220>
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<400> 410
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23

<210> 411
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 411
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26

<210> 412
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 412
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21

<210> 413
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 413
 ccattccctg agcncagggt gcctttct

28

<210> 414
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
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<222> (1)...(31)
 <223> n = A,T,C or G

 <400> 414
 ggccaggctg gtctcngtct agactcaagt g 31

 <210> 415
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

 <400> 415
 tgtttgagac agggctcttgn tctgtcgtcc aggatgg 37

 <210> 416
 <211> 18
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 416
 atgcccagct antttttt 18

 <210> 417
 <211> 34
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 417
 ccaccgcacc cggccanttt tatttgtttt taaa 34

 <210> 418
 <211> 34
 <212> DNA
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 <223> n = A,T,C or G

 <400> 418
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 <210> 419

<211> 29
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(29)
<223> n = A,T,C or G

<400> 419
tttttttttt nctgagacag agtctcgct 29

<210> 420
<211> 20
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 420
caattgactt ccctnaaaaa 20

<210> 421
<211> 31
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<220>
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<222> (1)...(31)
<223> n = A,T,C or G

<400> 421
aagggtgtgc ctagngcaca cactccctcc c 31

<210> 422
<211> 28
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 422
aataaagtga ttacttnaaa aaaaaaaaa 28

<210> 423
<211> 26
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(26)

<223> n = A,T,C or G

<400> 423

gagggcctga cagnttgaag gggttg

26

<210> 424

<211> 22

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(22)

<223> n = A,T,C or G

<400> 424

cctctgggggt ntttccaaat ca

22

<210> 425

<211> 30

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(30)

<223> n = A,T,C or G

<400> 425

ttgccagaac acngggtcag agagcaagag

30

<210> 426

<211> 31

<212> DNA

<213> Homo sapiens

<400> 426

agagtgaagac tctgtctcaa aaaaaaaaaa a

31

<210> 427

<211> 26

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(26)

<223> n = A,T,C or G

<400> 427

cttcatatct acttngaaaa ccatat

26

<210> 428

<211> 19

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(19)
 <223> n = A,T,C or G

 <400> 428
 gagactctgt ctcnaaaaaa 19

 <210> 429
 <211> 26
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

 <400> 429
 aaaaaaaaaa angaacctct gtcgta 26

 <210> 430
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 430
 atttccagat taatangtct taaccat 28

 <210> 431
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

 <400> 431
 tgctgtagct ccatttgagn agggacctt 29

 <210> 432
 <211> 19
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 <213> Homo sapiens

 <220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

 <400> 432
 atgatttgcn tcaaagcag 19

 <210> 433

<211> 30
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<220>
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 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 433
 tcagtaccac atctgtnttt ccatgctctt

30

<210> 434
 <211> 31
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 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 434
 acagaggtaa aagtgttttg aaagcnaaaa a

31

<210> 435
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 435
 ctagectang gtctaggccc

20

<210> 436
 <211> 20
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 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 436
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20

<210> 437
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<223> n = A,T,C or G
 <400> 437
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 <210> 438
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 <400> 438
 accatggatg cntagctgag ttcttg 26
 <210> 439
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 <222> (1)...(27)
 <223> n = A,T,C or G
 <400> 439
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 <213> Homo sapiens
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 <222> (1)...(40)
 <223> n = A,T,C or G
 <400> 440
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 <210> 441
 <211> 29
 <212> DNA
 <213> Homo sapiens
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 <222> (1)...(29)
 <223> n = A,T,C or G
 <400> 441
 aaactctcac cacnactgaa atctggta 29
 <210> 442
 <211> 27

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 442
 ccctggggct ctantatttg gtgttac

27

<210> 443
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 443
 gaaagatata naaattaaat taaa

24

<210> 444
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 444
 aaaaantcat accaattagt ctcacttaaa

30

<210> 445
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 445
 catcctgcan cccagcttc

20

<210> 446
 <211> 39
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(39)
 <223> n = A,T,C or G

<400> 446
 cagaacaaat tagagaaaaa ctcngtcag gctctccac 39
 <210> 447
 <211> 28
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G
 <400> 447
 acaacaacgg gtanatatatt taggtctc 28
 <210> 448
 <211> 21
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G
 <400> 448
 attattagtc naataatcac c 21
 <210> 449
 <211> 22
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G
 <400> 449
 aaggcgggggt ncagtggctc ac 22
 <210> 450
 <211> 29
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G
 <400> 450
 ctgaggcagg tggatcatnt gaggtcagg 29
 <210> 451
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 451
 tggaagagac atgcatncaa accatatc 28

 <210> 452
 <211> 22
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(22)
 <223> n = A,T,C or G

 <400> 452
 tttttttttt tnccgtgaac ag 22

 <210> 453
 <211> 27
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

 <400> 453
 acaggcgcgc ncacacacac acacaca 27

 <210> 454
 <211> 27
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

 <400> 454
 taaaaattat tcgngagaat tttagaa 27

 <210> 455
 <211> 30
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

 <400> 455
 ccaagtacct tggncgtgac tgagagatga 30

<210> 456
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 456
acaaacaaac aancaaacct tatt

24

<210> 457
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 457
aaatatagnc aaaatact

18

<210> 458
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 458
tcctggccaa cntggtgaaa cccc

24

<210> 459
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 459
ggaaaaaaaaa ancacacatg at

22

<210> 460
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(24)
 <223> n = A,T,C or G

 <400> 460
 ataaaaaaaa angattttatt atgt 24

 <210> 461
 <211> 17
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(17)
 <223> n = A,T,C or G

 <400> 461
 agtttcngtt tagaaag 17

 <210> 462
 <211> 23
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(23)
 <223> n = A,T,C or G

 <400> 462
 acttaagaga ntcaaataat ttt 23

 <210> 463
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

 <400> 463
 ttttaaaact tntaaaggaa t 21

 <210> 464
 <211> 36
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

 <400> 464
 tgtttctttt tttctttctt ntttttttag acggag 36

 <210> 465

<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)
<223> n = A,T,C or G

<400> 465
tggggccaaa aatctcntct gacttccagt g 31

<210> 466
<211> 30
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(30)
<223> n = A,T,C or G

<400> 466
tcccaaggctc acatngttac tatgtatgtt 30

<210> 467
<211> 29
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(29)
<223> n = A,T,C or G

<400> 467
gaagcaagac tgtcnggaac actggactc 29

<210> 468
<211> 33
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(33)
<223> n = A,T,C or G

<400> 468
aaccatctgt ttgtgtcntg aggtctcttg tat 33

<210> 469
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)

<223> n = A,T,C or G

<400> 469

tgatgatcac gcaacncagc tgaagaatga t

31

<210> 470

<211> 39

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(39)

<223> n = A,T,C or G

<400> 470

ccatcctaaa tactacaaga tgcntttgac gctataaga

39

<210> 471

<211> 29

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(29)

<223> n = A,T,C or G

<400> 471

aaagtcaaaa aatcnaaagg agatgagca

29

<210> 472

<211> 31

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(31)

<223> n = A,T,C or G

<400> 472

ttctgggaaa aggaagtcnt tttttttttt t

31

<210> 473

<211> 34

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(34)

<223> n = A,T,C or G

<400> 473

taatctctgc ctcccaggnt caagtgattc ttct

34

<210> 474

<211> 33

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(33)
 <223> n = A,T,C or G

<400> 474
 gtatttttag tagagacngg gtttccttat gtt 33

<210> 475
 <211> 30
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(30)
 <223> n = A,T,C or G

<400> 475
 tcaccagcaa cctgttntga gtgaatcatc 30

<210> 476
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 476
 aaaaagtttt ttttttttnc taccaaattgt acag 34

<210> 477
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 477
 attacattat aatttacang catgatctaa t 31

<210> 478
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 478
 ccaagaaaga ggntgtcatg gggtaa 26

 <210> 479
 <211> 25
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

 <400> 479
 gtggaggctg anagtaggcg agttt 25

 <210> 480
 <211> 34
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

 <400> 480
 tgccccaag aaagaggntg tcatggggta aacc 34

 <210> 481
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(40)
 <223> n = A,T,C or G

 <400> 481
 tcctttcatt ttagcctgaa agactccctt tagcantttt 40

 <210> 482
 <211> 23
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(23)
 <223> n = A,T,C or G

 <400> 482
 tgccatgttg gtntgctgca ccc 23

 <210> 483
 <211> 36
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(36)
 <223> n = A,T,C or G

<400> 483
 tatttttttt tttttaagta cnttaagttc taggggt 36

<210> 484
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

<400> 484
 gttctagatc cntgaggaat c 21

<210> 485
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 485
 ttccacaatg gtngaactag ttt 23

<210> 486
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 486
 gttcatatac ttntcccctg ttt 23

<210> 487
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 487
 tttgctgaag ttgnttatca acttaa 26

<210> 488
<211> 27
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(27)
<223> n = A,T,C or G

<400> 488
atatgatgca ttacntttat cgatttg 27

<210> 489
<211> 23
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(23)
<223> n = A,T,C or G

<400> 489
ccttgtcttg tgcnggtttt caa 23

<210> 490
<211> 16
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(16)
<223> n = A,T,C or G

<400> 490
ttattgccnc aatttc 16

<210> 491
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)
<223> n = A,T,C or G

<400> 491
ttggttgata ngctattaat ta 22

<210> 492
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(20)
 <223> n = A,T,C or G

 <400> 492
 tgttgatttt ngatgtttcc 20

 <210> 493
 <211> 25
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

 <400> 493
 actgctttga atgngtccca gattc 25

 <210> 494
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 494
 ttgtgtcttt gttctcnttg gtttcaaa 28

 <210> 495
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(21)
 <223> n = A,T,C or G

 <400> 495
 gcggttttga ntgagtttct t 21

 <210> 496
 <211> 21
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(21)
 <223> n = A,T,C or G

 <400> 496
 ttttttttgn tttccatttg c 21

 <210> 497

<211> 16
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(16)
<223> n = A,T,C or G

<400> 497
cccctgcntt tttttg 16

<210> 498
<211> 26
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 498
tttatgaatc tgggngctcc tgtatt 26

<210> 499
<211> 23
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(23)
<223> n = A,T,C or G

<400> 499
ttcaggagct cttntaaggc agg 23

<210> 500
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 500
ggcctggngg tgacaaaa 18

<210> 501
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)

<223> n = A,T,C or G

<400> 501

attttatttc nccttcactt at

22

<210> 502

<211> 24

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(24)

<223> n = A,T,C or G

<400> 502

cagagagatc cnctgttagt ctga

24

<210> 503

<211> 24

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(24)

<223> n = A,T,C or G

<400> 503

agagtatctt tntggtgttc tctg

24

<210> 504

<211> 24

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(24)

<223> n = A,T,C or G

<400> 504

atttcctgaa nttgaatgtt ggcc

24

<210> 505

<211> 31

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(31)

<223> n = A,T,C or G

<400> 505

gtctaactag tcccancgag atgagccggg t

31

<210> 506

<211> 26

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 506
 cagtagacga acnatgcaaa atacca 26

<210> 507
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 507
 tcctggggct ttnacgtttt tagtg 25

<210> 508
 <211> 26
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(26)
 <223> n = A,T,C or G

<400> 508
 cagagataag aantagtttc caagaa 26

<210> 509
 <211> 24
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 509
 acaggcttng acagaggact tgga 24

<210> 510
 <211> 34
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

<400> 510
 tcactaaatt ctagaaanaa agattctagg cagt 34

<210> 511
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 511
 taggcagttg ctgntattta aaaaatcat 29

<210> 512
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 512
 caggactaaa gtganctact ctgaaaga 28

<210> 513
 <211> 40
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(40)
 <223> n = A,T,C or G

<400> 513
 tttttggaca cacacaatga cactncactt agagaagtgc 40

<210> 514
 <211> 32
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(32)
 <223> n = A,T,C or G

<400> 514
 acaaacaaat aaacantaaa acaaaaccca ca 32

<210> 515
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 515
 cagagtgtgatt ctgtgttttna aaaaaaaaaa

28

<210> 516
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 516
 acagcaaagg ccttttnactg aaggactc

28

<210> 517
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 517
 agggggcgggtt gcagnagaag agctggggcc

29

<210> 518
 <211> 31
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(31)
 <223> n = A,T,C or G

<400> 518
 gggtataata attttncgtt catcagacct c

31

<210> 519
 <211> 27
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(27)
 <223> n = A,T,C or G

<400> 519
 tgtggggggaa gggcnctatag ccaagat

27

<210> 520
<211> 28
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(28)
<223> n = A,T,C or G

<400> 520
gcacttttcct caanctggag accaccag 28

<210> 521
<211> 30
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(30)
<223> n = A,T,C or G

<400> 521
ggccatcaga atctcnagtt gatcttctaa 30

<210> 522
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 522
tcctgctaag gntctgtgag gccc 24

<210> 523
<211> 26
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(26)
<223> n = A,T,C or G

<400> 523
catctagggg gtangttcca tgaggg 26

<210> 524
<211> 32
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(32)
 <223> n = A,T,C or G

 <400> 524
 cgggtacttgt ggagcanaga ggtggctccc aa 32

 <210> 525
 <211> 37
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(37)
 <223> n = A,T,C or G

 <400> 525
 taaccaccca ggctccagan gtcgcctaga atcccag 37

 <210> 526
 <211> 38
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(38)
 <223> n = A,T,C or G

 <400> 526
 agatctggag agattcccca cnagagtcca tatttccc 38

 <210> 527
 <211> 34
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(34)
 <223> n = A,T,C or G

 <400> 527
 cagagacttt gtctgagnaa aaaaaaaga aaaa 34

 <210> 528
 <211> 29
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

 <400> 528
 gaaaaaaagg aaaaanatta gcatgttta 29

 <210> 529

<211> 38
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(38)
 <223> n = A,T,C or G

<400> 529
 gctatcaata tcaaggcact tgagngctct atggatat 38

<210> 530
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(20)
 <223> n = A,T,C or G

<400> 530
 aaaaagaaaa anaaagaaaa 20

<210> 531
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 531
 aaaaattagc caagtgnngt ggcaggcac 29

<210> 532
 <211> 29
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(29)
 <223> n = A,T,C or G

<400> 532
 gcacatgggg cacanggtca cactcacca 29

<210> 533
 <211> 29
 <212> DNA
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<400> 533

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29

<210> 534

<211> 38

<212> DNA

<213> Homo sapiens

<220>

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<400> 534

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38

<210> 535

<211> 19

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 535

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19

<210> 536

<211> 29

<212> DNA

<213> Homo sapiens

<220>

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<400> 536

ctccaacat gccnccctct ttctggggc

29

<210> 537

<211> 34

<212> DNA

<213> Homo sapiens

<220>

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<223> n = A,T,C or G

<400> 537

gagtcctagt aaattgacna ccaagtacta agac

34

<210> 538

<211> 33

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<212> DNA
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<400> 538
cctagtaa at tgactancaa gtactaagac caa
33

<210> 539
<211> 32
<212> DNA
<213> Homo sapiens

<220>
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<400> 539
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32

<210> 540
<211> 29
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<213> Homo sapiens

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<400> 540
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29

<210> 541
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taaagagaaa gaancatttg tcctgatt
28

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<400> 542
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 <400> 543
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 <400> 545
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<400> 547
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<210> 548
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<223> n = A,T,C or G

<400> 548
tgtgaaacct tgggnaagtt atttaa 26

<210> 549
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<400> 549
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<210> 550
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<400> 550
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<210> 552
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<400> 552
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27

<210> 553
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<223> n = A,T,C or G

<400> 553
ttacctagtc aaccggntca cagatacatt ca

32

<210> 554
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<400> 554
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37

<210> 555
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<400> 555
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32

<210> 556
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<400> 556
agcaaggcct ctaacncttg ctctataaaa tc 32

<210> 557
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<400> 557
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<220>
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<223> n = A,T,C or G

<400> 558
cctgctctgc tcnggttccc accctg 26

<210> 559
<211> 30
<212> DNA
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<223> n = A,T,C or G

<400> 559
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<210> 560
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<223> n = A,T,C or G

<400> 560
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<210> 561

<211> 26
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<400> 561
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26

<210> 562
 <211> 30
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<400> 562
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30

<210> 563
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<400> 563
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31

<210> 564
 <211> 29
 <212> DNA
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<220>
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<400> 564
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29

<210> 565
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<223> n = A,T,C or G

<400> 565

tgccccctgt atngaagaga ggc

23

<210> 566

<211> 24

<212> DNA

<213> Homo sapiens

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<222> (1)...(24)

<223> n = A,T,C or G

<400> 566

tttttttttt nggtccctg accc

24

<210> 567

<211> 23

<212> DNA

<213> Homo sapiens

<220>

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<223> n = A,T,C or G

<400> 567

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23

<210> 568

<211> 22

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(22)

<223> n = A,T,C or G

<400> 568

gaggttcaag ntccaggtct ct

22

<210> 569

<211> 24

<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

<400> 569

tgagggtct cncatcttct aaga

24

<210> 570

<211> 24

<212> DNA
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<400> 570
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<210> 571
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<400> 571
attacaggca cccnccacca cgcaggg 27

<210> 572
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<223> n = A,T,C or G

<400> 572
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<210> 573
<211> 22
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<223> n = A,T,C or G

<400> 573
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<210> 574
<211> 20
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<223> n = A,T,C or G

<400> 574
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 <210> 575
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 <400> 575
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 <210> 576
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 <212> DNA
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 <223> n = A,T,C or G

 <400> 576
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 <210> 577
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 <223> n = A,T,C or G

 <400> 577
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 <400> 578
 ggctcagcac caacanccag cagggctt 28

 <210> 579
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<400> 579
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26

<210> 580
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<400> 580
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<210> 581
 <211> 31
 <212> DNA
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<400> 581
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<210> 582
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<400> 582
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28

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<400> 583
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28

<210> 584
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<400> 584
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<210> 585
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 <223> n = A,T,C or G

<400> 585
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<210> 586
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<400> 586
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<210> 587
 <211> 29
 <212> DNA
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 <223> n = A,T,C or G

<400> 587
 cccaactaga gtaantcctg gacacacag 29

<210> 588
 <211> 27
 <212> DNA
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<222> (1)...(27)
 <223> n = A,T,C or G

 <400> 588
 tggccatcag gangggaggc cagactg 27

 <210> 589
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 <210> 590
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 <400> 590
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 <210> 591
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 <400> 591
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 <210> 592
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 <400> 592
 gaggctggga gctntgactt ttcatt 26

 <210> 593

<211> 24
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<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 593
tcagaagcta actggnaaaa aaaa 24

<210> 594
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<400> 594
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<210> 596
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<400> 596
tgaaattaac tttantggta tatttaa 27

<210> 597
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<400> 597

atataatgtg ttgngtaaag aatat

25

<210> 598

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<212> DNA

<213> Homo sapiens

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<223> n = A,T,C or G

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27

<210> 599

<211> 27

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(27)

<223> n = A,T,C or G

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27

<210> 600

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<213> Homo sapiens

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<222> (1)...(13)

<223> n = A,T,C or G

<400> 600

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13

<210> 601

<211> 13

<212> DNA

<213> Homo sapiens

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<400> 601

gctanttttt ttg

13

<210> 602

<211> 21

<212> DNA
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 602
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<210> 603
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<220>
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<222> (1)...(21)
<223> n = A,T,C or G

<400> 603
ggctgaggag ggnggatcac c 21

<210> 604
<211> 20
<212> DNA
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aagactccgt ctcnaaaaaa 20

<210> 605
<211> 18
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<223> n = A,T,C or G

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ttcagagcnt ctgtccag 18

<210> 606
<211> 28
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<220>
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<223> n = A,T,C or G

<400> 606
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 <210> 607
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 <400> 607
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 <210> 608
 <211> 19
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 <220>
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 <400> 608
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 <210> 609
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 <400> 609
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 <210> 610
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 <400> 610
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 <210> 611
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 <213> Homo sapiens

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<400> 611
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<210> 612
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<223> n = A,T,C or G

<400> 612
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<210> 613
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<210> 614
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<400> 614
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<210> 615
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<400> 615
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<400> 616
ccccttatcc acagnttttt tttttt

26

<210> 617
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<400> 617
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33

<210> 618
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<400> 618
tcattagcct ggcttncatt ctcttctgaa c

31

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25

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<223> n = A,T,C or G

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cactactcat cttcntgagc acaaaaag                27

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aaatgagtag ccttcntttg agagacagag            30

<210> 622
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<223> n = A,T,C or G

<400> 622
gatcatctca aggttcncaa aatcaagct            29

<210> 623
<211> 26
<212> DNA
<213> Homo sapiens

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<400> 623
gatgcaagaa nttttttttt tttttt                26

<210> 624
<211> 32
<212> DNA
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<400> 624
acaggcatcc accacntgc cctggttaatt tt        32

<210> 625

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<211> 30
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<400> 625
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30

<210> 626
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<400> 626
 ccaatgcgcc tggccntttt tt

22

<210> 627
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<400> 627
 cctctgcctc ccaggttnaa gcagttctcc tg

32

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<400> 628
 gccttccaaa gtgcnaggat tacaggt

27

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<400> 629

cattcttgca ttantataaa gaaatac

27

<210> 630

<211> 28

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<213> Homo sapiens

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<400> 630

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28

<210> 631

<211> 28

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<213> Homo sapiens

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<223> n = A,T,C or G

<400> 631

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28

<210> 632

<211> 21

<212> DNA

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<400> 632

cctggetctc tnttagttat t

21

<210> 633

<211> 27

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<223> n = A,T,C or G

<400> 633

gccttcactt tccanacac catcagc

27

<210> 634

<211> 31

<212> DNA
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<220>
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<400> 634
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31

<210> 635
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<400> 635
 gaaaaatgaa gcnggagaaa aatgaa

26

<210> 636
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<400> 636
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21

<210> 637
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24

<210> 638
 <211> 39
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<400> 638
gtgaaacccc gttctctact aaaaaatacn aaaaaaaaaa 39

<210> 639
<211> 30
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 639
acagagcgag actccgtctc naaaaaaaaaa 30

<210> 640
<211> 30
<212> DNA
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<223> n = A,T,C or G

<400> 640
ttgtaaggac ttgggntttc aaaaaatctg 30

<210> 641
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<220>
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<223> n = A,T,C or G

<400> 641
tatagaccat tgnaaggact tggg 24

<210> 642
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<220>
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<223> n = A,T,C or G

<400> 642
atggcaaaag antttattga ca 22

<210> 643
<211> 29
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<400> 643
ggatgtggag tacnagagga agagcagcc 29

<210> 644
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<400> 644
cccaagtagc tgggactnca ggtgtgtgcc acca 34

<210> 645
<211> 35
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<220>
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<223> n = A,T,C or G

<400> 645
ctgtaatcct agctacttng gaggtgagg catga 35

<210> 646
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<220>
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<400> 646
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<210> 647
<211> 19
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 647
gtctcatgtn atccccacc 19

<210> 648
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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 648
tctatttatc ttnaatttcc tatt

24

<210> 649
<211> 29
<212> DNA
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<223> n = A,T,C or G

<400> 649
atggaattgt tatcntccct ctttacaga

29

<210> 650
<211> 25
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<400> 650
tgtgtgtgtn gtgtgtgtgt ttgtg

25

<210> 651
<211> 21
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 651
cctggaaaaa ngggacactc c

21

<210> 652
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(21)
 <223> n = A,T,C or G

<400> 652
 ttagcaaatg gnacaccagg a

21

<210> 653
 <211> 23
 <212> DNA
 <213> Homo sapiens

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 <222> (1)...(23)
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<400> 653
 tcgacagatc cnatgtccat gga

23

<210> 654
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<400> 654
 atttgctgtt cngcaatatt tgct

24

<210> 655
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<400> 655
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27

<210> 656
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 <223> n = A,T,C or G

<400> 656
 taactcaaga anattagaga aa

22

<210> 657

<211> 18
<212> DNA
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<223> n = A,T,C or G

<400> 657
aaaacactcn tcaggata 18

<210> 658
<211> 27
<212> DNA
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<220>
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<222> (1)...(27)
<223> n = A,T,C or G

<400> 658
ttcttaaaga aaanaatttt caaccca 27

<210> 659
<211> 32
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<222> (1)...(32)
<223> n = A,T,C or G

<400> 659
gattttgtca ccacnaggcc tgcctaaaa ga 32

<210> 660
<211> 20
<212> DNA
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<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 660
ccctacaagc cngaagagag 20

<210> 661
<211> 28
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<223> n = A,T,C or G

<400> 661

tttaaagtga aatgggntaa atgctcca

28

<210> 662

<211> 24

<212> DNA

<213> Homo sapiens

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<222> (1)...(24)

<223> n = A,T,C or G

<400> 662

caaagacaca acntgccaga atct

24

<210> 663

<211> 22

<212> DNA

<213> Homo sapiens

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<222> (1)...(22)

<223> n = A,T,C or G

<400> 663

ccaataacag gntctgaaat tg

22

<210> 664

<211> 24

<212> DNA

<213> Homo sapiens

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<222> (1)...(24)

<223> n = A,T,C or G

<400> 664

ttttgtatct acnggcaaaa tata

24

<210> 665

<211> 26

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(26)

<223> n = A,T,C or G

<400> 665

aatatctcat tagtnataat gagccc

26

<210> 666

<211> 20

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<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 666
cttggatggtt ngaatggcat                                     20

<210> 667
<211> 28
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<222> (1)...(28)
<223> n = A,T,C or G

<400> 667
ggttgagtggt gacantacag ggtaaaaaa                         28

<210> 668
<211> 35
<212> DNA
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<223> n = A,T,C or G

<400> 668
tttctggata ggaatnctgc atataatcat ttggt                    35

<210> 669
<211> 33
<212> DNA
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<223> n = A,T,C or G

<400> 669
tttgtatcct ttgtaagaaa cngctagtggt cca                     33

<210> 670
<211> 35
<212> DNA
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<400> 670
 taggtattgt caaaattgna ctgcattata ggaca 35

 <210> 671
 <211> 24
 <212> DNA
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 <400> 671
 gatgtgtttt tttnttgag acgg 24

 <210> 672
 <211> 30
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 <400> 672
 aatttttgta tttnttagta gagatgggg 30

 <210> 673
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 <212> DNA
 <213> Homo sapiens

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 <400> 673
 gcccagtctg gagtgcngtg gcatgatgtt gg 32

 <210> 674
 <211> 29
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 <223> n = A,T,C or G

 <400> 674
 ttggctcact gcaanctcca cctcccggg 29

 <210> 675
 <211> 35
 <212> DNA
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<223> n = A,T,C or G

<400> 675
caacctctgc ctctgggtn gcagttctcc tgcct 35

<210> 676
<211> 16
<212> DNA
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<223> n = A,T,C or G

<400> 676
aaaaaaanca actaag 16

<210> 677
<211> 19
<212> DNA
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 677
taaccaggnt gtttcaggg 19

<210> 678
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<222> (1)...(20)
<223> n = A,T,C or G

<400> 678
aaatgggggn tgggaggaca 20

<210> 679
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<212> DNA
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<223> n = A,T,C or G

<400> 679
cagattaaan cagtaaatt 19

<210> 680
<211> 18
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<400> 680
agttttggcn atgatagg

18

<210> 681
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<400> 681
atgttttcan gtgtgtgtgt

20

<210> 682
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<212> DNA
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<223> n = A,T,C or G

<400> 682
cttccattgc naagagtttg c

21

<210> 683
<211> 21
<212> DNA
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<400> 683
taattttctta ngcctgtctt t

21

<210> 684
<211> 17
<212> DNA
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<223> n = A,T,C or G

<400> 684
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17

<210> 685
<211> 19
<212> DNA
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<223> n = A,T,C or G

<400> 685
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19

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<400> 686
aaaccctgnt cctgataa

18

<210> 687
<211> 18
<212> DNA
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<223> n = A,T,C or G

<400> 687
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18

<210> 688
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19

<210> 689

<211> 18
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<400> 689
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18

<210> 690
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 <212> DNA
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28

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17

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18

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<223> n = A,T,C or G

<400> 693

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19

<210> 694

<211> 30

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

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gagtgggaact ctcacngccc agatttcctc

30

<210> 695

<211> 30

<212> DNA

<213> Homo sapiens

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<222> (1)...(30)

<223> n = A,T,C or G

<400> 695

attttctctc tctcttnttt tctctttcct

30

<210> 696

<211> 19

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)...(19)

<223> n = A,T,C or G

<400> 696

aggagtagnt tagatagaa

19

<210> 697

<211> 17

<212> DNA

<213> Homo sapiens

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<222> (1)...(17)

<223> n = A,T,C or G

<400> 697

agtagcacna ctaccca

17

<210> 698

<211> 30

<212> DNA
<213> Homo sapiens

<220>
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<400> 698
cccatgaagg caccaantca actgccagct 30

<210> 699
<211> 29
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<223> n = A,T,C or G

<400> 699
ccagttctga cgatcatcnt gtgtgtgtg 29

<210> 700
<211> 19
<212> DNA
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<223> n = A,T,C or G

<400> 700
cagttctgac natcatcgt 19

<210> 701
<211> 18
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<223> n = A,T,C or G

<400> 701
cgtaagccan tgcgccca 18

<210> 702
<211> 25
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 702
aaataactgta ccctgtgacn ttttt 25

<210> 703
<211> 18
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 703
cacttattan ttaccata 18

<210> 704
<211> 18
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<223> n = A,T,C or G

<400> 704
tgcattgcaan tctcactt 18

<210> 705
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<400> 705
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<210> 706
<211> 24
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<400> 706
cacatttata tatgcntgtg tgtg 24

<210> 707
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<400> 707
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<400> 708
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<400> 710
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<400> 711
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<400> 712
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<210> 713
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17

<210> 722
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<210> 726

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16

<210> 727

<211> 17

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24

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22

<210> 730

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22

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<210> 737
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<212> DNA
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<210> 742
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<400> 742
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<210> 743
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<400> 743
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<210> 744
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<400> 744
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33

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<400> 745
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34

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31

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<400> 747
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34

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<222> (1)...(24)
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<210> 750
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<223> n = A,T,C or G

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aaaaaaaaaa aaanttgttt aatcatt                27

<210> 751
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<400> 752
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<210> 753

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<211> 40
<212> DNA
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<400> 753
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<210> 754
<211> 36
<212> DNA
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<223> n = A,T,C or G

<400> 754
tatatatata tatatntatt tcacggtttg ggtcta 36

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<400> 755
caacaacnta tatatatata ta 22

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<223> n = A,T,C or G

<400> 756
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<210> 757
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<212> DNA
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32

<210> 758

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<212> DNA

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<223> n = A,T,C or G

<400> 758

caatattgtc atcanacttt taaaagcatg acttc

35

<210> 759

<211> 35

<212> DNA

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<223> n = A,T,C or G

<400> 759

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33

<210> 761

<211> 40

<212> DNA

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<223> n = A,T,C or G

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40

<210> 762

<211> 37

<212> DNA
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<400> 762
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<400> 763
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<400> 764
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<210> 767
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cctccgaata aagtcantc ctcagtatac 30

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<400> 769
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<400> 771
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<210> 774
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<210> 775
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20

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<400> 777
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24

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<222> (1)...(22)
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<210> 783
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<210> 787
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<400> 787
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16

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<223> n = A,T,C or G

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16

<210> 792

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20

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<400> 798
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cccaaagtnt accttat 17

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16

<210> 812
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<210> 813
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 <212> DNA
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<400> 813
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<210> 814
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 gcctcantgg atttt 15

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<400> 816
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<210> 817

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gcctgcanca cttgc

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24

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<212> DNA
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ttcacaccng gaagct 16

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<400> 822
aggaaacntt cttct 15

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ccagagangt acagaa 16

<210> 824
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gccgggcnga tagcct 16

<210> 825
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<400> 825
ttgcgtanac acaca 15

<210> 826
<211> 18

<212> DNA
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<400> 826
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18

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 <223> n = A,T,C or G

<400> 827
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<210> 828
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<400> 828
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<210> 829
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<400> 829
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16

<210> 830
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<220>
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gccttctnta tgcag 15

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<220>
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<223> n = A,T,C or G

<400> 831
tgggacanga acaac 15

<210> 832
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<212> DNA
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<223> n = A,T,C or G

<400> 832
ccttcccntg aggccc 16

<210> 833
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<223> n = A,T,C or G

<400> 833
cagccccntc tcccc 15

<210> 834
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<223> n = A,T,C or G

<400> 834
gacagtanag cctgtga 17

<210> 835
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<222> (1)...(18)
<223> n = A,T,C or G

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gctgctatna ggtgcagg 18

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<222> (1)...(17)
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<400> 836
ccatccttcn tttttttt 17

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<222> (1)...(16)
<223> n = A,T,C or G

<400> 837
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<210> 838
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<222> (1)...(18)
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<400> 838
aacggagtnt gtgcctct 18

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<223> n = A,T,C or G

<400> 839
gtgtgganag ttaaa 15

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<400> 840
cagtcccnga gaagt 15

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<400> 841
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<210> 842
<211> 18
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<220>
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<223> n = A,T,C or G

<400> 842
taaattccan atggattc 18

<210> 843
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<223> n = A,T,C or G

<400> 843
aataaatant cattatt 17

<210> 844
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<222> (1)...(16)
<223> n = A,T,C or G

<400> 844
cccccaaccn tttttt

16

<210> 845
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<400> 845
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<210> 846
<211> 16
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<400> 846
ggaattgtna atactt

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<210> 847
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<212> DNA
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<400> 847
tcctggcntc aaggga

16

<210> 848
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<400> 848
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15

<210> 849

<211> 15
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<400> 849
 acaaaacnca aacaa 15

<210> 850
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<400> 850
 aacacaaacn aaaaaacagg gccaa 25

<210> 851
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 <222> (1)...(19)
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<400> 851
 aaacaggncc aaatgacta 19

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<400> 852
 agggaaagna aaaaaa 16

<210> 853
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<223> n = A,T,C or G

<400> 853
aaacaatcnc tacagtt

17

<210> 854
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<400> 854
aaaacatnat acagga

16

<210> 855
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aaaagtnaag tccta

15

<210> 856
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gttggcaant ttttttt

17

<210> 857
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<400> 857
aaaacatnat acagg

15

<210> 858
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<212> DNA
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<400> 858
gcactancca aaatat 16

<210> 859
<211> 16
<212> DNA
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<223> n = A,T,C or G

<400> 859
aacaatanca aatggt 16

<210> 860
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<400> 860
acctaggnat ttcactcc 18

<210> 861
<211> 17
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<223> n = A,T,C or G

<400> 861
gaaagaanat atattgt 17

<210> 862
<211> 14
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<210> 867 <211> 17 <212> DNA <213> Homo sapiens	

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<223> n = A,T,C or G

<400> 867
aaaggatntg gggctctt

17

<210> 868
<211> 18
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<223> n = A,T,C or G

<400> 868
cacacgctng cgtatgca

18

<210> 869
<211> 20
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<223> n = A,T,C or G

<400> 869
gcatataaan gtgtgtgtgt

20

<210> 870
<211> 17
<212> DNA
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<223> n = A,T,C or G

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tgtggtgant ttttttt

17

<210> 871
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<212> DNA
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<223> n = A,T,C or G

<400> 871
tgagtctcna aaaaaa

16

<210> 872
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<212> DNA
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17

<210> 873
<211> 14
<212> DNA
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<400> 873
aggactnatc tcta

14

<210> 874
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<400> 874
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16

<210> 875
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<400> 875
taatgganta aggat

15

<210> 876
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<223> n = A,T,C or G

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cacatgggtn caatgtcac

19

<210> 877
<211> 17
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17

<210> 878
<211> 16
<212> DNA
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<222> (1)...(16)
<223> n = A,T,C or G

<400> 878
gacaggnatg ttctat

16

<210> 879
<211> 18
<212> DNA
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<223> n = A,T,C or G

<400> 879
gagacaggna tggttctat

18

<210> 880
<211> 19
<212> DNA
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<223> n = A,T,C or G

<400> 880
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19

<210> 881

<211> 19
<212> DNA
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<223> n = A,T,C or G

<400> 881
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19

<210> 882
<211> 21
<212> DNA
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<400> 882
ttttgtgtgt gtggnttttt t

21

<210> 883
<211> 16
<212> DNA
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<223> n = A,T,C or G

<400> 883
gccacatntg tcatca

16

<210> 884
<211> 27
<212> DNA
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<400> 884
agagacacac ctgggnagag atgctgg

27

<210> 885
<211> 21
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 885

cccacttcca accntgtctg g

21

<210> 886

<211> 13

<212> DNA

<213> Homo sapiens

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<222> (1)...(13)

<223> n = A,T,C or G

<400> 886

gagaggntga tgt

13

<210> 887

<211> 15

<212> DNA

<213> Homo sapiens

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<222> (1)...(15)

<223> n = A,T,C or G

<400> 887

gggccagngc aagtt

15

<210> 888

<211> 15

<212> DNA

<213> Homo sapiens

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<222> (1)...(15)

<223> n = A,T,C or G

<400> 888

aacctanggg gaggg

15

<210> 889

<211> 14

<212> DNA

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<223> n = A,T,C or G

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14

<210> 890

<211> 14

<212> DNA
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14

<210> 891
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<223> n = A,T,C or G

<400> 891
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14

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17

<210> 894
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<400> 894
ccactgggnc cctggctt 18

<210> 895
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<223> n = A,T,C or G

<400> 895
tgtttgtant cttctcc 17

<210> 896
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<400> 896
aggaactgnc tcgacat 17

<210> 897
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<223> n = A,T,C or G

<400> 897
cttctaggan catttcag 18

<210> 898
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<213> Homo sapiens

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<400> 898
tgcagaatnc agtggagc 18

<210> 899
<211> 23
<212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 899
 cttcttcttc nttttttttt ttt

23

<210> 900
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 900
 tttctgtcgc tntgattttg g

21

<210> 901
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 901
 cttcttttctc nttttttttt t

21

<210> 902
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 902
 ttcactctct tttttttttt t

21

<210> 903
 <211> 40
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 903
 aatttctcct ccttttcaaa gaanttgaat ttttgaatct

40

<210> 904
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n = A,T,C or G

<400> 904
gttccttccg ntttttccac

20

<210> 905
<211> 31
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 905
cctgagagggc atcaaaantca aatatgatca a

31

<210> 906
<211> 30
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 906
catctcattt gtatcngtca cctgattggg

30

<210> 907
<211> 38
<212> DNA
<213> Homo sapiens

<220>
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<400> 907
tttgggaggg tgaggtgggn ggatcaggag gtcaggag

38

<210> 908
<211> 16
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(16)
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<400> 908
ggaccaanct ggggtg

16

<210> 909
<211> 19
<212> DNA
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<223> n = A,T,C or G

<400> 909
aaaaaaaaaa ngtttcccc

19

<210> 910
<211> 38
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 910
cagataagca tcagatttgn aaacttaca tgggaatg

38

<210> 911
<211> 31
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(31)
<223> n = A,T,C or G

<400> 911
tattgtattc caattntgga tgtagccacc a

31

<210> 912
<211> 40
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n = A,T,C or G

<400> 912
tattcctagt ctgtggagag gntttttggtt tgtttggttg

40

<210> 913

<211> 24
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(24)
<223> n = A,T,C or G

<400> 913
tttgtttntt tagacagagt ctca

24

<210> 914
<211> 36
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(36)
<223> n = A,T,C or G

<400> 914
tatatttttag ttttcattngt gaattcttct ttgacc

36

<210> 915
<211> 13
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(13)
<223> n = A,T,C or G

<400> 915
tacctcnttt ttt

13

<210> 916
<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n = A,T,C or G

<400> 916
tttttttttna accttaaa

18

<210> 917
<211> 13
<212> DNA
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<220>
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<222> (1)...(13)

<223> n = A,T,C or G

<400> 917

catctcnaaa aaa

13

<210> 918

<211> 16

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(16)

<223> n = A,T,C or G

<400> 918

aaaaaaaaang agagag

16

<210> 919

<211> 15

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(15)

<223> n = A,T,C or G

<400> 919

agactancac agaaa

15

<210> 920

<211> 13

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(13)

<223> n = A,T,C or G

<400> 920

ccacatnctc tcc

13

<210> 921

<211> 13

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(13)

<223> n = A,T,C or G

<400> 921

gatggtnagc att

13

<210> 922

<211> 13

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(13)
 <223> n = A,T,C or G

<400> 922
 tttcatntgt ttt 13

<210> 923
 <211> 13
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 923
 aatgatngcc att 13

<210> 924
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<220>
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<400> 924
 gttcatntcc ttg 13

<210> 925
 <211> 15
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 925
 gatttttnta taagg 15

<210> 926
 <211> 13
 <212> DNA
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<220>
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 <222> (1)...(13)
 <223> n = A,T,C or G

<400> 926
tctaactttt aag 13

<210> 927
<211> 13
<212> DNA
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<220>
<221> misc_feature
<222> (1)...(13)
<223> n = A,T,C or G

<400> 927
catgagnatg gaa 13

<210> 928
<211> 15
<212> DNA
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<220>
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<222> (1)...(15)
<223> n = A,T,C or G

<400> 928
cctgcctnat tgccc 15

<210> 929
<211> 15
<212> DNA
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<220>
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<222> (1)...(15)
<223> n = A,T,C or G

<400> 929
cctgccnaat tgccc 15

<210> 930
<211> 15
<212> DNA
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<220>
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<222> (1)...(15)
<223> n = A,T,C or G

<400> 930
gaatgttntt ccatt 15

<210> 931
<211> 14
<212> DNA
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<220>
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<222> (1)...(14)
<223> n = A,T,C or G

<400> 931
gatttggnctc tctg

14

<210> 932
<211> 13
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 932
tgtttgncctg ttg

13

<210> 933
<211> 13
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 933
agttgcntat cag

13

<210> 934
<211> 13
<212> DNA
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 934
ggctganaca atg

13

<210> 935
<211> 13
<212> DNA
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 935
gggacngtg gtg

13

<210> 936
<211> 13
<212> DNA
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 936
ttattgngtc tat

13

<210> 937
<211> 13
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 937
attcttntct ctt

13

<210> 938
<211> 13
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 938
tgggagngtg tat

13

<210> 939
<211> 13
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<220>
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<222> (1)...(13)
<223> n = A,T,C or G

<400> 939
tcttttnttc ttt

13

<210> 940
<211> 14
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(14)
 <223> n = A,T,C or G

<400> 940
 gtgtcanttt tgga 14

<210> 941
 <211> 15
 <212> DNA
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<220>
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 <222> (1)...(15)
 <223> n = A,T,C or G

<400> 941
 cttttccntt ttttt 15

<210> 942
 <211> 14
 <212> DNA
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<220>
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 <222> (1)...(14)
 <223> n = A,T,C or G

<400> 942
 agacagnctt gctc 14

<210> 943
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 <212> DNA
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<220>
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 <222> (1)...(13)
 <223> n = A,T,C or G

<400> 943
 ggctatngaa aaa 13

<210> 944
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<220>
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 <223> n = A,T,C or G

<400> 944
 gctggancat aaag 14

<210> 945

<211> 15
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<223> n = A,T,C or G

<400> 945
cttttttnaaa atagg 15

<210> 946
<211> 17
<212> DNA
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<220>
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<222> (1)...(17)
<223> n = A,T,C or G

<400> 946
aatctttana gtacatt 17

<210> 947
<211> 22
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 947
gttgaaatcn tttttttttt tt 22

<210> 948
<211> 14
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 948
ccctacangt aaat 14

<210> 949
<211> 16
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<220>
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<222> (1)...(16)

<223> n = A,T,C or G

<400> 949
aaatatanac atttat

16

<210> 950
<211> 14
<212> DNA
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<220>
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<222> (1)...(14)
<223> n = A,T,C or G

<400> 950
cgctttnat aaaa

14

<210> 951
<211> 14
<212> DNA
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<220>
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<222> (1)...(14)
<223> n = A,T,C or G

<400> 951
tataaggtnt aagg

14

<210> 952
<211> 16
<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 952
tcccatntg taggtt

16

<210> 953
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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 953
aattagancc cattt

15

<210> 954
<211> 13

<212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 954
 tcttcctttt gtt 13

<210> 955
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<220>
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 <223> n = A,T,C or G

<400> 955
 gtggttngta gtt 13

<210> 956
 <211> 13
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 956
 ccttcangtc cct 13

<210> 957
 <211> 12
 <212> DNA
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 <222> (1)...(12)
 <223> n = A,T,C or G

<400> 957
 cttcatntcc ct 12

<210> 958
 <211> 13
 <212> DNA
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 <223> n = A,T,C or G

<400> 958
 actcatngtt tgg 13

 <210> 959
 <211> 13
 <212> DNA
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 <223> n = A,T,C or G

 <400> 959
 ctcatntttt ggc 13

 <210> 960
 <211> 15
 <212> DNA
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 <223> n = A,T,C or G

 <400> 960
 ctctctcntt ttttt 15

 <210> 961
 <211> 15
 <212> DNA
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 <220>
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 <223> n = A,T,C or G

 <400> 961
 catgtcncct gcaaa 15

 <210> 962
 <211> 13
 <212> DNA
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 <222> (1)...(13)
 <223> n = A,T,C or G

 <400> 962
 tttgtgngca gag 13

 <210> 963
 <211> 16
 <212> DNA
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<220>
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<222> (1)...(16)
<223> n = A,T,C or G

<400> 963
tttttttngc tcatca

16

<210> 964
<211> 18
<212> DNA
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<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 964
gcctcatgna cccctacc

18

<210> 965
<211> 17
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(17)
<223> n = A,T,C or G

<400> 965
ctcacaaang ctccagt

17

<210> 966
<211> 17
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(17)
<223> n = A,T,C or G

<400> 966
gctggaggna ggactag

17

<210> 967
<211> 17
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(17)
<223> n = A,T,C or G

<400> 967
gtcaaattna ttcattt

17

<210> 968
<211> 18
<212> DNA
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<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 968
tccagctgan gatgcagg 18

<210> 969
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 969
agccctgant gggcacca 18

<210> 970
<211> 19
<212> DNA
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<220>
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<222> (1)...(19)
<223> n = A,T,C or G

<400> 970
caccctgct ntatacact 19

<210> 971
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<212> DNA
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<220>
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<222> (1)...(16)
<223> n = A,T,C or G

<400> 971
ctatacantg gttggt 16

<210> 972
<211> 20
<212> DNA
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<220>
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<222> (1)...(20)
 <223> n = A,T,C or G

<400> 972
 ccaggtcaag ntgctgagtg

20

<210> 973
 <211> 18
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<220>
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 <223> n = A,T,C or G

<400> 973
 tagtggtgna gtctgggc

18

<210> 974
 <211> 17
 <212> DNA
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 <223> n = A,T,C or G

<400> 974
 cgtacccant aggtaat

17

<210> 975
 <211> 19
 <212> DNA
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<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 975
 ctgggaggan ctggggact

19

<210> 976
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 976
 gtgatgggnt gccttaaag

19

<210> 977

<211> 18
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(18)
<223> n = A,T,C or G

<400> 977
atctggtaan aggtgtgg

18

<210> 978
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 978
gaaacaggng cggtggca

18

<210> 979
<211> 19
<212> DNA
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<220>
<221> misc_feature
<222> (1)...(19)
<223> n = A,T,C or G

<400> 979
ctctgaaggn tcatcacag

19

<210> 980
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 980
ctctccaagc ncctgctagt a

21

<210> 981
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(22)

<223> n = A,T,C or G

<400> 981

ctcttttatta ntcccttttcc ca

22

<210> 982

<211> 20

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(20)

<223> n = A,T,C or G

<400> 982

gatgaaggan tgggtcatgc

20

<210> 983

<211> 17

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<222> (1)...(17)

<223> n = A,T,C or G

<400> 983

tgctaccang tgagcca

17

<210> 984

<211> 20

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(20)

<223> n = A,T,C or G

<400> 984

aggtgagcca ncaggatgag

20

<210> 985

<211> 18

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(18)

<223> n = A,T,C or G

<400> 985

tcacaacana agtctcag

18

<210> 986

<211> 24

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(24)
 <223> n = A,T,C or G

<400> 986
 aggggtggac tgnatctgt tcct

24

<210> 987
 <211> 28
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 987
 ttcatgaaag acnttttttt tttttttg

28

<210> 988
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 988
 tgccctctcn gggccttggg g

21

<210> 989
 <211> 23
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(23)
 <223> n = A,T,C or G

<400> 989
 agtgtgggga tgnaacctcc agc

23

<210> 990
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 990
 ctccttccgn ccaggttga 19

<210> 991
 <211> 21
 <212> DNA
 <213> Homo sapiens

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 <223> n = A,T,C or G

<400> 991
 tttctctccct nccctgcctc a 21

<210> 992
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> n = A,T,C or G

<400> 992
 cacggccagn agcctcttg 19

<210> 993
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 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 993
 ttcagagggg gtgnggctgg gtcaagt 27

<210> 994
 <211> 18
 <212> DNA
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 <222> (1)...(18)
 <223> n = A,T,C or G

<400> 994
 cactgtggnc tgagtctg 18

<210> 995
 <211> 22
 <212> DNA
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<220>
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 <223> n = A,T,C or G

<400> 995
 catgtacagg ngacagatct gg

22

<210> 996
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 <212> DNA
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<400> 996
 aagtgtgcnt gaatgtga

18

<210> 997
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 <223> n = A,T,C or G

<400> 997
 tcaaccctg natctgtaca a

21

<210> 998
 <211> 18
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n = A,T,C or G

<400> 998
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18

<210> 999
 <211> 19
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 999
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19

<210> 1000
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<212> DNA
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<220>
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<223> n = A,T,C or G

<400> 1000
tcgagcctgn ctgatggcaa a

21

<210> 1001
<211> 21
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 1001
ggaggttgta gngcagaagt t

21

<210> 1002
<211> 17
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1002
ggccatccan cagaaac

17

<210> 1003
<211> 17
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1003
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17

<210> 1004
<211> 22
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(22)
<223> n = A,T,C or G

<400> 1004
gaattgtgcc tanggagtac gc                                22

<210> 1005
<211> 20
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1005
actgcagcct ngacctccca                                20

<210> 1006
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(18)
<223> n = A,T,C or G

<400> 1006
ttccgggtca nagtacct                                18

<210> 1007
<211> 14
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(14)
<223> n = A,T,C or G

<400> 1007
accgtnata attc                                    14

<210> 1008
<211> 17
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(17)
<223> n = A,T,C or G

<400> 1008
tctaaactng ggggaaa                                17

<210> 1009

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<211> 15
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(15)
<223> n = A,T,C or G

<400> 1009
ggggaaacnt ttttt

15

<210> 1010
<211> 16
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(16)
<223> n = A,T,C or G

<400> 1010
tttttttnga gatgga

16

<210> 1011
<211> 17
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(17)
<223> n = A,T,C or G

<400> 1011
attccttgng ttggcct

17

<210> 1012
<211> 15
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(15)
<223> n = A,T,C or G

<400> 1012
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15

<210> 1013
<211> 16
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(16)

<223> n = A,T,C or G

<400> 1013
atcaggtnat gtttta

16

<210> 1014
<211> 18
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1014
tctagtgang acacccag

18

<210> 1015
<211> 16
<212> DNA
<213> Homo sapiens

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<221> misc_feature
<222> (1)...(16)
<223> n = A,T,C or G

<400> 1015
acagatcttn aaaaaa

16

<210> 1016
<211> 47
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(47)
<223> n = A,T,C or G

<400> 1016
aaactttttc gcgaggggacn gttcaactga aacttcgaaa gcatcat

47

<210> 1017
<211> 45
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(45)
<223> n = A,T,C or G

<400> 1017
ttggggaaga ctgtggctgc tngcacttgg agccaagggt tcaga

45

<210> 1018
<211> 41

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(41)
 <223> n = A,T,C or G

<400> 1018
 agcactaaag cagtggancc caggagtccc tggtataaag t 41

<210> 1019
 <211> 45
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(45)
 <223> n = A,T,C or G

<400> 1019
 cgagtaattt attgtttttc ctngtattta aatattaaat atgtt 45

<210> 1020
 <211> 62
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(62)
 <223> n = A,T,C or G

<400> 1020
 ccaagctccc atgaccaga caacgncctt gaagacaagc tgggttaact gctctaacaat 60
 ga 62

<210> 1021
 <211> 57
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(57)
 <223> n = A,T,C or G

<400> 1021
 tcgttagctt ctctgataa actaattgnc tcacattgtc actgcaaatac gacacct 57

<210> 1022
 <211> 47
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(47)

<223> n = A,T,C or G

<400> 1022

acacctaaac ttgggagaac attgtntccc agtgctgggg taggaga

47

<210> 1023

<211> 46

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(46)

<223> n = A,T,C or G

<400> 1023

tgctcatgaa cagaatacat anagatccag gagtctggac atcatc

46

<210> 1024

<211> 59

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(59)

<223> n = A,T,C or G

<400> 1024

tgtgaatggt gatgccaacc ctgtttgaac ncaaaaggat gataaagttg gaattggta 59

<210> 1025

<211> 56

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(56)

<223> n = A,T,C or G

<400> 1025

gtgaatggtg atgccaaccc tgtttgaacn caaaaggatg ataaagttgg aattgg 56

<210> 1026

<211> 50

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(50)

<223> n = A,T,C or G

<400> 1026

ttcctgtgaa cagccatgca accaaaccan ggcaggcaac gcgctgacat

50

<210> 1027

<211> 48

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(48)
 <223> n = A,T,C or G

<400> 1027
 cctgtgaaca gccatgcaac caaaccangg caggcaacgc gctgacat 48

<210> 1028
 <211> 53
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(53)
 <223> n = A,T,C or G

<400> 1028
 aagacgtgcg cccgagcccc gccgaancga ggccaccgag agccgtgccc agt 53

<210> 1029
 <211> 52
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(52)
 <223> n = A,T,C or G

<400> 1029
 cacggggcag ggtaggcttt ctgcctnctt cacttcccca gggcaggtga gt 52

<210> 1030
 <211> 28
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

<400> 1030
 ctgacctgtg gggtcnctg ccagacct 28

<210> 1031
 <211> 25
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(25)
 <223> n = A,T,C or G

<400> 1031
 gccactccga ctnctccaag agctg 25

 <210> 1032
 <211> 28
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(28)
 <223> n = A,T,C or G

 <400> 1032
 tcccatccac gtttnttggc tgccactc 28

 <210> 1033
 <211> 24
 <212> DNA
 <213> Homo sapiens

 <400> 1033
 gtagggctat attattttat gggt 24

 <210> 1034
 <211> 49
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 1034
 ggggcagggt aggctttctg cctncttcac ttccccaggg caggtgagt 49

 <210> 1035
 <211> 55
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(55)
 <223> n = A,T,C or G

 <400> 1035
 gaatcaaata tcaactgctgg tacagctntg ttgttcattt ttgcagcttt ttgga 55

 <210> 1036
 <211> 47
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

<400> 1036
 gctgtagaa attggggcgc gaanccgggg accgttcctg ggaaaca 47

 <210> 1037
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(52)
 <223> n = A,T,C or G

 <400> 1037
 gccctgagtc aggcataat gcaganttag tgttttttca gggctctggc ag 52

 <210> 1038
 <211> 56
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(56)
 <223> n = A,T,C or G

 <400> 1038
 ggatatctgc atttccaggt cacttattan ttaccatagc agcaaagaca taatgg 56

 <210> 1039
 <211> 31
 <212> DNA
 <213> Homo sapiens

 <400> 1039
 cttatgcatg caactctcac ttcaccttga c 31

 <210> 1040
 <211> 57
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(57)
 <223> n = A,T,C or G

 <400> 1040
 ctcatgcatg tgtgacagat gttcctttgn tagagttctt tgcctaccag agttctc 57

 <210> 1041
 <211> 44
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(44)
 <223> n = A,T,C or G

<400> 1041
 gtcgcgcccc ggctccagcc cnagcgccga gaagttggcg atgg 44

 <210> 1042
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 1042
 accctgtccc ccttgaggga catcacagnt gtctccagaa aggtaggtag tg 52

 <210> 1043
 <211> 25
 <212> DNA
 <213> Homo sapiens

 <400> 1043
 tctcgggtctc acagtgccca tgcta 25

 <210> 1044
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
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 <223> n = A,T,C or G

 <400> 1044
 gccagtgggc acatggggga canggtcaca ctcaccacca ga 42

 <210> 1045
 <211> 48
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(48)
 <223> n = A,T,C or G

 <400> 1045
 actcaccacc agagtgccac gcanagcacc cccggcatcg tcagcgcc 48

 <210> 1046
 <211> 50
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

<400> 1046
 aacttccta ggccttgtca gtaanaaatc agagtgaatg aaaatgagga 50

 <210> 1047
 <211> 48
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(48)
 <223> n = A,T,C or G

 <400> 1047
 tatccttttc actctctgat gacanaggct ttgaattttg tctgaggc 48

 <210> 1048
 <211> 49
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(49)
 <223> n = A,T,C or G

 <400> 1048
 gcaagttagg agtatcaagc gaaanccaaa atagcccact gatatggtc 49

 <210> 1049
 <211> 56
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> n = A,T,C or G

 <400> 1049
 gcctataaga ggaaaccttt gagaggntga tgtggggctg gcctgggttac ttcattg 56

 <210> 1050
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (1)...(52)
 <223> n = A,T,C or G

 <400> 1050
 ctatccagtg gctcaggctt tccttgaagn gggaatctct ttccctaata ca 52

 <210> 1051
 <211> 21
 <212> DNA
 <213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(21)
<223> n = A,T,C or G

<400> 1051
tctctctgta naaagactga a

21

<210> 1052
<211> 20
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(20)
<223> n = A,T,C or G

<400> 1052
agactgtctc naaaaataaa

20

<210> 1053
<211> 24
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(24)
<223> n = A,T,C or G

<400> 1053
ttaaataat ttnacaaaaa acat

24

<210> 1054
<211> 17
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(17)
<223> n = A,T,C or G

<400> 1054
atttagganc ccccccc

17

<210> 1055
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1055
cctttctgct ttttaaantt tttctgttaa aaag

34

<210> 1056
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<223> n = A,T,C or G

<400> 1056
ttaatggact acaaagtnta tttaaggggtt acaa

34

<210> 1057
<211> 34
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(34)
<223> n = A,T,C or G

<400> 1057
gagattcttc attcanacag aaaatgtata acat

34

<210> 1058
<211> 36
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(36)
<223> n = A,T,C or G

<400> 1058
ttctaaatat ttattttgnc accagcgtca agacaa

36

<210> 1059
<211> 34
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(34)
<223> n = A,T,C or G

<400> 1059
attaagactc ccaagcnaat cctgcatatt ccaa

34

<210> 1060
<211> 22
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(22)

<223> n = A,T,C or G

<400> 1060

gtgtgtgtcc acngaggcac gg

22

<210> 1061

<211> 24

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(24)

<223> n = A,T,C or G

<400> 1061

tccctgttaa gtngggctca tgga

24

<210> 1062

<211> 22

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(22)

<223> n = A,T,C or G

<400> 1062

tgtcagggcc tgnccctcaga ca

22

<210> 1063

<211> 23

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(23)

<223> n = A,T,C or G

<400> 1063

ccccagacct angacctcca gga

23

<210> 1064

<211> 58

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(58)

<223> n = A,T,C or G

<400> 1064

cactttgcct gcaggtgcac cgaaaggacn tgggggataa aattcaaaaa agtgtgat

58

<210> 1065

<211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1065
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 ttctggccgg ggctgtggag cgtgggtcac ctgggggcga aggactccac atcacggtga 120
 agtggagggtg ctgcagcccc cacaaagccc gagaagcctg ccagggggcg cccggggcgaa 180
 cggcagtggg cgtggggcgt tctgcagcac ccattggcgc gggggaggag agtgctgatc 240
 ccatcaagcc ccgctccagg tcgcgggcgc tgggcctggc ccaggagcct cccccggcct 300
 cggggcccca tgggactgac aggggggtga gttctctttc ctcccaacgg cggtgtttat 360
 aagaaatgaa gctccgcagc ggccatcagc ggagccccac actgtcaccg cggcccgctc 420
 tcaggggggt ccggaacagc cctgagcact ggagcaattc cttggctcag tattctatca 480
 tgacccccca gtgattttcc agccagcttc agccccacat tctgcattta ggaattttat 540
 aacagtgcaa cgtttattct gctgtgtcat acagcatatt ttgcaaacc tttgagaggg 600
 gaggggctgg tctggtgccc cagtgtatct ccagaaccaa acctgggggt caccaaaaag 660
 caggcctgcg tgattcatat gtgttgaatg aattaaggga 700

<210> 1066
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1066
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 tgctgtgtca tacagcatat tttgccaaac ctttgagagg ggaggggctg gtctggtgcc 120
 ccagtgtatc tccagaacca aacctggggg tcaccaaaaa gcaggcctgc gtgattcata 180
 tgtgttgaat gaattaaggg actttctttc tctccagtta ggctccttgc aggcagggtg 240
 atgacccttg gattctgcct tcaagctttt ggatgctttt atttctggct tgtgttctgc 300
 aattcacagt ttaggactgc ctgcctccca ggtttctgtg aaaatcgaga tgaaggattt 360
 gagcatttca gagagcccta ctacttctgg acctggaacc tgggaaggcat gctggggagt 420
 ttgtctgctt tggggaccgt ggccccctct ctgggtagca ggctccacag gtagcaggtc 480
 tcccagtcga aaacctagtt caggtcgggc gccgtggctc atgcctataa tcccagcact 540
 ttgggaggcc gaggcgggtg atcacctgag gtcaggagtt ggagaacagc ctggccaatg 600
 tggtgaaact ccatctccac caaaaatata aaaattagct gggcatggtg gcgggtgcct 660
 gtaatcccag ctacttggga ggctgaggca ggagaattgc 700

<210> 1067
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1067
 tcaggtcggg cgccgtgggt catgcctata atcccagcac tttgggaggc cgaggcgggtg 60
 gatcacctga ggtcaggagt tggagaacag cctggccaat gtggtgaaac tccatctcca 120
 ccaaaaatac aaaaattagc tgggcatggt ggcggtgccc tgtaatcca gctacttggg 180
 aggctgaggc aggagaattg ctgaacccct ggaggtagag gttgcagtga gccgagatca 240
 cgtcactgca ctccagcctg ggtgacagag cgagactccg tctcaaaaaa acaaaacaaa 300
 aaaacaccta gttaaaccct cactggcacc tgcacctcag ctctcacaaa ctctcatttc 360
 tgagcacaca ctcatctcta tcagcagagg atttaaccac aggttgccaa gaaatgtctg 420
 tatctgagag aattcataat ctgagataga aggaacacta aactccagag gaagaggggt 480
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 gtgcaaggat ggcggcatca ccttagtgtg gtcctgtggg ccctgtgcat tgatgtgtgt 600
 gtgcatggtg acatgttggg agccatgctt ctgggcttca ggactaactg cagccacttc 660
 aggggggtgaa cagtgttttt agagcctgag ggaggggact 700

<210> 1068
 <211> 700
 <212> DNA

<213> Homo sapiens

<400> 1068

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gatttactga gtgcctacca tggtagccac tcttcggggg agtgcaagga tggcggcatc 60
accttagtgt ggtccgtgtg gccctgtgca ttgatgtgtg tgtgcatggg gacatgttgg 120
gagccatgct tctgggcttc aggactaact gcagcccact taggggggtga acagtgtttt 180
gagagcctga gggaggggac tggggacaag aattgtctgt cagggttagag gctccacacag 240
ggtgtgtgaa tgtgtgtgtg agatgatctt gccttcagca tcctgattgc agaagtcact 300
tcaaaggagc ccctgccagc cagttagcct cctcttgcca gcacagaaaa atccagggtcc 360
caatacacag aggccacaca atgaattcac cctcattgag tgaggctatg gatgagaggc 420
atctgtaagg aagaccttgc acagtgcagg gtgctggcta ccctcagcta acccctagct 480
cgcttcagct gctgggcatg aggaacctgc ttagatttct cacagaaaac atggagagtt 540
ctttttctca cagaaaaaat gtagagtttg ttccccagag tttgttccca ccatgtagaa 600
agtgaccagt ggtgaaaagg aaacatagga aagttaagga ccaaagggtc caaggaggga 660
aaagaaagga cttctgggtg gttgctttgc gggcattttg 700

```

<210> 1069

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1069

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gaggaacctg cttagatttc tcacagaaaa catggagagt tctttttctc acagaaaaaa 60
ttagagagtt gttccccaga gtttgttccc accatgtaga aagtgaccag tggtgaaaag 120
gaaacatagg aaagttaagg accaaagggg ccaaggaggg aaaagaaagg acttctgggt 180
ggttgctttg cgggcatttt gaagagatca ggcataatgt ctgggcctta aaaaaagaca 240
cagagattga agtggtgggg tgggcaaggg agagagagat ggagagaggg tgagtgttgc 300
caagtatcct gaggagacag ggatgagggg acaaacacat tgtgttcaga taatggaaat 360
acagtgaag gttcatgcgt tcctgttcat acatttcatt tgacttatgt cttacagttt 420
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agtggaaaaa gcacaataag aaccagggct ttcagactca aatcctgtgt tctcttttca 600
tcccccttta gtttcatctt tcctactgcc aagggtaggg aagctgtcag ggacagaagg 660
ttggaatggg accccaggac aagactgagc agagatttga 700

```

<210> 1070

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1070

```

agccccagag agggacagta acttgctaag atcacatagc aagtggaaaa agcacaataa 60
gaacccaggc ttccagactc aaatcctgtg ttctcttttc atcccccttt agtttcatct 120
ttcctactgc caagggtagg gaagctgtca gggacagaag gttggaatgg gaccccagga 180
caagactgag cagagatttg aatgtggggc tgaatgtagg ggagctcaga aggctcctgg 240
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catcttcccc atctacctgg gcaaggcaag gaggcccaag gggaggttgg ggcaacaata 360
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gtgggaaaga aaagggtctg ctccgaatta ataagagcct acaggagcct atgtgttctg 480
ctggggatca cagaatgttc tacatcttag aatgtgatcc atcaaaagcc attacaataa 540
aaatgttggg tacttaaaaca tggcttagct ttatttctact gatttggagt atagcaccac 600
tagtcataat aagcatattc ttacaggctt caaaataaag taagaatccc taaggttaaa 660
aaaaaaaaaa aggtcaaaga tgtaaatgta aatgacagtt 700

```

<210> 1071

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 1071
ctacatctta gaatgtgatt catcaaaagc cattacaata aaaatgttgg gtactttaa 60
atggccttagc tttatttcac tgatttggag tatagcacc ctagtcataa taagcatatt 120
cttacaggct tcaaaataaa gtaagaatcc ctaagggttaa aaaaaaaaaa aagggtcaaag 180
atgtaaatgt aaatgacagt ttcattggta aatcctaact gggaatttc tcctaagcaa 240
aaaattattg atatgcacaa agatttagct aatagtgttg ttgtattac gaaaaaatgg 300
aaataacctt actgtcctac aataggggat taattgggtt aatttttatt tatccttgtg 360
aaagaataat gtatacctat tacaatgac attgcataag tacatttcat gacatggaaa 420
gatgctcatt atggctaaat atacatatgc atatacgggt atatttatac ctgtatctgt 480
gaattaaaat taagtttttg ttttaaagca ttttttatag tgctctgttg ccttcacagg 540
gtcactgtgg tcaacttata agaccacaaa gatgcaaac tcctttccct aatctcatcc 600
tgaattttcc agtggatgtg tcaggttctc aggggaagga caagcatcta tttgctgtac 660
caagaaagga tcccacgact caggggtcac ttgttttctc 700

```

<210> 1072

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 1072
gttttaaagc attttttata gtgtcctgtt gccttcacag ggtaactgtg gtcaacttat 60
cagaccacaa agatgcaaac ttcttttccc taatctcatc ctgaattttc cagtggatgt 120
gtcagggttct caggggaagg acaagcatct atttgctgta ccaagaaagg atcccacgac 180
tcaggggtca cttgttttct cttattcttg ctcagaaggc cttgggtccct gtagcaagtc 240
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tgccctccac tttgcttaac actcagttag gtctcttccc cagtttctcc tacctccttt 360
cctctcctag ctctgaccc acctctatct ggtagacagt ttgcccatt cctgctggta 420
tcctgggaac caggtttggc attggtcaca gcactcagat tgcaatgcgc cagaatggga 480
ttaaccatg catttctct acgggagggg ggtagagtga ctggcaagtc gaatgttgca 540
tgggtgtgtc tatttatagc ctgcaaaatg ggggtgctgcc ctggagggag agctgcgggtg 600
aaggaaatga cacgcctggg agagtaactt acttctgcag gagctctagg gagatgaagg 660
aagaagcctc ctgggcccaga gttttggatg gaaaatgaac 700

```

<210> 1073

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 1073
tacgggaggg aggtagagtg actggcaagt cgaatgttgc atgggtgtgt ctatttatag 60
cctgcaaaat ggggtgctgc cctggaggga gagctgcggt gaaggaaatg acacgcctgg 120
gagagtaact tacttctgca ggagctctag ggagatgaag gaagaagcct cctgggccag 180
agttttggat ggaaaatgaa caccagtc aatctctagg actatactg gggcggggac 240
tagttgtgcg cgagagttaa gttagggccc ttaccaagga gcatgggacc tgggtctccc 300
aacccttttg ctagcccat ggctgtgat agccctgagc taattcctcc atgctgccc 360
gaacctctct gggccaagcc ctggggactc agagatgaca gcaatgcttc cattgcggaa 420
ctcccatagc cgggccacag ggaggtcttg gaggcggcct gaggcaagag tgctaggagg 480
gatcagagct agccacccc taccctcact cagccgtctg ggcttctctg aacccttct 540
cctcctctgt tcctaaagc cagccagggg gagtcccagg gaggcagacc gaaaaggggt 600
ggggtgtcat cctggtcact attagaccct gcaacggcga ccttgaaaac tactcagcgt 660
ctgttgcccg agtggagcat agtgctttac aatctcttcc 700

```

<210> 1074

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 1074
ctaccctcac tcagccgtct gggcttctct gaacccttc tcctcctctg ttccctaaag 60

```



```

ccagccaggg ggagtccag ggaggcagac cgaaaagggg tggggtgtca tcttggtcac 120
tattagacct tgcaacggcg accttgaaaa ctactcagcg tctgttgccc gaggggagca 180
tagtgcttta caatctcttc ccatcacagc aaaccatcaa ggtagggcta ctgttatttt 240
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gatttccctt ggtccagcag ccccagacag cacacggggc agggtaggct ttctgcctcc 360
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gatggcccca ggagccagcc ggctgggaca aggcggagtg agaggacagg ctggggccgg 660
gggcgctggg ctgtcccggg cagccctcct ccgggcaagc 700

```

<210> 1075

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1075

```

gcccagtggt cccactggag agggcgggcaa gtgcccgggc gatcacctcg cctgcgttcg 60
ggagatatac ctccgcccc ccccgccag gagggtgaaa agatggcccc aggagccagc 120
cggtcgggac aaggcggagt gagaggacag gctggggcgg gggcgctgg gctgtcccg 180
gcagccctcc tccgggcaag ccggagcagg ggtggattgg gagcgctcgg ggcgggcccc 240
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ggccaatggg cgcccgcgcg gctgtccggg ggcggggcgg gccagggctg gggaatcccc 420
ctaagtgttt ggattgctcg gtggcgccgc tgccctggca gagctcgcca ctcttagtc 480
gaggcaagac gtgccccga gccccgccga accgaggcca cccggagccg tgcccagtc 540
acgcggccg tgcccggcgg ccttaagaac ccggcaacct ctgccttctt cctcttcca 600
ctcggagtcg cgctccgcgc gccctcactg cagccctgc gtcgccggga cctcgcgcg 660
cgaccgccga atcgctcctg cagcagaggt gagtacgcct 700

```

<210> 1076

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1076

```

agccccgcgg aaccgaggcc acccgagacc gtgcccagtc cagcgcggcc gtgcccggcg 60
gccttaagaa cccggcaacc tctgccttct tccctcttcc actcggagtc gcgctcccg 120
cgccctcact gcagcccctg cgtcgccggg accctcgcgc gcgaccgcg aatcgctcct 180
gcagcagagg tgagtacgcc tttgaggcgc ggggcaccgg cggcgctcga taaaaggcgc 240
gcggggcacc aggaagtggg gggtcgaaaag ctccaggctg gagactcgcc ggcgcgcggc 300
gttggccggg cctccgcgcg ggtccggggg ggcgccggag gagctgcgag ccgcgggccc 360
cggcgcgggg agggcgggac gcggcggtga ccgccaccc ggacgaggct gccggcgccc 420
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cagtgtctcc ggctttcggc ggtcccagct ccgcgccag gcgacaggtt ttgggctccc 600
tgtgtggtg gcaagggtg gcttactgcc caggtggctg gagggaatcg tgacctacgg 660
agactgcggg aagaggcgcc acaggtgttc cttgggcccac 700

```

<210> 1077

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1077

```

cgccgtgccc gggaccgagt gtcagcccac gcgtgggcgc ccagtgtctc cggctttcgg 60
cggctcccagc tccgcgcccc ggcgacaggt tttgggctcc ctgtgtggt ggcaagggt 120
ggcttactgc ccaggtggct ggagggaatc gtgacctac gagactgcgg gaagaggcgc 180

```

```

cacaggtggt ccttgggcca cttctccaga ggaggggaaa ccggggccgga aggggttagcg 240
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ggcggggaggg ggctgttcag ggtgacggct agccctttgc tagctagtgg ttacaactca 360
agtcaaggga atttcttctt ggcatcaagc aaaagaagtc cctcccttcc caaaggattt 420
gaattttgag cgaaaagttc tgaaattagg gtatctgtgc attttgtctc ttttcctgca 480
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attccagcgc agctcccttc cgcactgagt gtagtaccta gcagctggct gaggtgaggg 660
gagggtaact aagtgacctc ggggtggggc ggtcactgcc 700

```

<210> 1078

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1078

```

acttgcacgc ctgtctcctc cagagactgg ctgggagggg ctgaaggaag gggcaaaagc 60
atTTTTgcct aagatgctga aaaaatttgg agagcagttt tattccagcg cagctcccct 120
ccgcaactgag ttagtagacct agcagctggc tgaggtgagg ggagggtaac taagtgcct 180
cgggtggggc aggtcactgc ccaggtactg ttcaacagat tccagactgg agcctctgtg 240
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agattaattc caaccaaadc ccggggctca tctggattaa taaagtgagt gtaactcttt 360
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gctcaaaaag ggaagtgata acgggacaag caggtgtttc tcccagtgagg tcctgcatgc 480
agggagtgtg cacggccagc cctgggcctc acttgcacga ctccctgcctt cttcccttct 540
tgaggtaggg caccacactg aaggcacttc cagtttccag cagcaagact ttccagcctc 600
tgcagagctg gagttctgct ctccctctaag cgagaccctt acaaacatac acagcactct 660
gcagggctcc aatcgaacaa atagaagact gagaagtgga 700

```

<210> 1079

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1079

```

gcctgggcct cacttgcacg actcctgcct tcttcccttc ttgaggtagg gcacccacct 60
gaaggcactt ccagtttcca gcagcaagac tttccagcat ctgcagagct ggagttctgc 120
tctcctctaa gcgagaccct tacaacata cacagcactc tgcagggctc caatcgaaca 180
aatagaagac tgagaagtgg atgctgctgg gcagaaacgt gcctggctta gcagaggaca 240
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cagaggcact gagaggtaga tcataagatc acacaaaaag tgatgaagcc aagatttgaa 540
cttgaacggc ctgactcaga aatctttact gttaaccata agtgatataa taacagtaag 600
accttagact tcatatttgt cactgtgtcc ctacacatcc tctgggtttt aatcctcaaa 660
atTTTgttgg atatgttttc tcatttccga gaagagaaaa 700

```

<210> 1080

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1080

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atcataagat cacacaaaaa gtgatgaagc caagatttga acttgaacgg tctgactcag 60
aaatctttac tgTTaaccat aagtgatata ataacagtaa gaccttagac ttcattttg 120
tactgtgtc cctacacatc ctctggtttt taatcctcaa aattttgttg gatattgttt 180
ctcatttccg agaagagaaa actgaggggc aaagagatac agtgacaatg ccagggttac 240
acagtgttca ccatccaagt ctagcccgag gctccctcag tggatatgacc aggacccct 300

```

```

gtgtaagagc ccatgctccc aggtgtcctg aggagtcctt tctaattggaa gaagttctta 360
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tggtgggaggg tgccctgtgt gggtcctagc acatgtgtaa caggcagagg gaggtctttg 480
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gtcagccttt tctcagacct gtctggctgg gcaggcctgg gtctcagact cagcccaaaa 660
gtctgtggtc tctgacctga cacagcctta tgtgtatgtg                               700

```

<210> 1081

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1081

```

ctcatccaaa ctaggtgtcc ctctgagag atccagagtg gtctgtttaa gccagcctca 60
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tgtctggctg ggcaggcctg ggtctcagac tcagcccaaa agtctgtggg ctctgacctg 180
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gggtttgtgg ctagatgaaa gttctccctg gcaaaagcat ctgtgaaaag cagctgtaag 600
ccagggcact gaaagagacc cagggtctgcc tttttcttcg tgttgacca ggccttgggt 660
ccaagcctca tgtggttggg ggccctcttt atccttgaga                               700

```

<210> 1082

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1082

```

aaagggaaaa gccaatatct tagaaagtgt gtggcttcag ggggtttgtg gctagatgaa 60
agttctccct ggcaaaagca tctgtgaaaa gcagctgtaa gccagggcac tgaaagagac 120
ccaggctctgc ctttttcttc gtgttgacca aggccttgg tccaagcctc atgtggttgg 180
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ctgggcattt gagaaggccc agggcctagg acctgcagag tgtcaccggg agtacctgct 480
ggtttgacca ctgtggctct ctggtagcat aagaggctcag gggtagcttg ccttctctct 540
tcaggccagg ggcagctgag gatccctacc catggccctg acgatcctct tttttctctc 600
gcctctagg ccgatacaaa gcaggggaaa aggagccaga tccaagacg tggaaggcca 660
actttcgtg tgccatgaac tccctgccag atatcgagga                               700

```

<210> 1083

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1083

```

tctggtagca taagagggtca ggggtacctt gccttctctc ttcaggccag gggcagctga 60
ggatccctac ccatggccct gacgatcttc tttttctctc tgccctctag gccgatacaa 120
agcaggggaa aaggagccag atcccaagac gtggaaggcc aactttctgt gtgccatgaa 180
ctccctgcc aatctcgagg aggtgaaaga ccagagcagg aacaagggca gctcagctgt 240
gagagtgtac cggatgcttc cacctctcac caagaaccag agaaaaggta tccaaggact 300
ctgggtcctt gggaagccct caggagggga gggtagaagg aggtcagctg gggctggaga 360
gcctgcacca aggtgacag cccgtctgcc ccacagaaag aaagtcgaag tccagccgag 420

```

atgctaagag	caaggccaag	aggaagggtga	gtgtgggtcct	aagcagccag	gcctttgggtc	480
acctgtgggc	cagggtgagc	agtgggaagaa	atgctaagggt	gggcctgggc	ctaagctgct	540
ttctccctcg	acagtcacgt	ggggattcca	gccctgatac	cttctctgat	ggactcagca	600
gctccactct	gcctgatgac	cacagcagct	acacagttcc	aggctacatg	caggacttgg	660
agggtggagca	ggccctgact	ccagggtgagc	tggtccagggt			700

<210> 1084

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1084

cagtgaaga	aatgctaagg	tgggcctggg	cctaagctgc	tttctccctc	gacagtcacg	60
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ccacagcagc	tacacagttc	caggctacat	gcaggacttg	gaggtggagc	aggccctgac	180
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ttcccagca	ctgtcgccat	gtgctgtcag	cagcactctc	cccgaactggc	acatcccagt	420
ggaagtgtg	ccggacagca	ccagtgatct	gtacaacttc	caggtgtcac	ccatgccttc	480
cacctctgaa	ggttgggtgct	cctggggcct	ggcctgcctg	cttgactgtc	tgggtcctgt	540
gaagggtctc	ctgagagaga	aaagatgac	agaactccac	ctggcactga	attgattgag	600
ttgggcattg	cccagtccta	gccaccatag	ggggaggcaa	gcgacgggga	cactaggaag	660
gcagttcaga	gtgggctgca	gtacagtggg	ggctgggtgag			700

<210> 1085

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1085

tcctggggcc	tggcctgcct	gcttgactgt	ctgggtcctg	tgaagggtct	cctgagagag	60
aaaagatgat	cagaactcca	cctggcactg	aattgattga	gttgggcatt	gccagtcctt	120
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<210> 1086

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1086

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<210> 1087
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1087
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gatttattat gctaaccctt gttttaagcc acattccctc ttactatgtc cttacacagt 480
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tgcagtgcac ttctgcatcc tatctgagat tgtgaaaatg gccaaagggtg tgatactggc 660
tgagaggagc tggctcattg agggcagggc cacagggtga              700
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<210> 1088
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1088
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gagggcaggg ccacagggtg agtctgcact ggaaggaggt tgatagcctc ttgctcttct 240
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caggggtagg gggaagcaca cctgatgcca ccgtccccta ccctcataca accttcttca 660
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<210> 1089
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1089
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cctggagagg gtctcgtctg cactggctgg ctccatgggg aacagaccag tgacccaga 660
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700

<210> 1090

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1090

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tgaacacata	ggacgtgtgt	aaatatgtac	atttgccttt	ttataaaaag	taaattgttt	660
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<210> 1091

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1091

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<210> 1092

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1092

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<210> 1093
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1093
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<210> 1094
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1094
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<210> 1095
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1095
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<210> 1096
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1096
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 aaaaaaaact aaccaggcgt ggtggtgcat gcctgtaatt ccagctacta gggaggctga 180
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<210> 1097
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1097
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<210> 1098
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1098
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<210> 1099
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1099

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<210> 1100

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1100

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<210> 1101

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1101

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<210> 1102

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1102

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<210> 1103
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1103						
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<210> 1104
 <211> 700
 <212> DNA
 <213> Homo sapiens

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caggggcaag	cagcttatct	cttccatatt	ctcacagtgt	tcagccagga	ttggcacttc	420
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acaggccatg	accaaccagc	agccaagggtc	aaagtcccca	gaacaagggc	cagtgtgtgc	660
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<210> 1105
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1105						
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cagccaagggt	caaagtcccc	agaacaaggg	ccagtgtgtg	catgacatgc	agcaggaccg	180

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gagcaaataa	cacgtattaa	agccacctac	gatataccac	ccagaagtaa	ccaggctgtt	360
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actctagcat	ccaggagtcc	aaaggcccgg	ctgtgcaggc	tgcagaggtg	atctagagta	600
gattaggagg	tgcaaaaggc	ttggagatag	gctgaccaac	tgttccagtt	tgcttaggac	660
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<210> 1106

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1106

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cttgagata	ggctgaccaa	ctgttccagt	ttgcttagga	ctgaggagtt	tcccaggatt	180
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agggtgtctg	gattgaaagg	cctcagctcc	ctgggctccc	agagccctgg	tgctcaggc	660
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<210> 1107

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1107

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gcctcagctc	cctgggctcc	cagagccctg	gtgcctcagg	ccttaccttc	ccctcctcc	180
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gatgaaggaa	gaggaatcca	ggacagaccg	agctgaaaga	ggagcaggca	ggtgggaggg	300
gacttgggta	gaaaggacct	ctctgatagt	ggcaggaaca	tcctgactgt	ggtctggccc	360
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atgcatgagc	ctatgaatat	gttgctacat	ggcaaagagg	aattaaaact	gcagatggaa	540
ttaagggttg	taaccagctc	acttgcaaat	agagagatta	ccctggatta	ttggtgtggg	600
cccagtgtaa	tcacaagggt	tcttaaatga	agaaggagga	ggcagaaggg	tcagaaccag	660
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<210> 1108

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1108

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ttcttaaatg	aagaaggagg	aggcagaagg	gtcagaacca	gagagatcgc	attgtgaaaa	180
acctgaccag	ccagtgtctg	ctttgaaagt	ggaggaaggg	gttgaggcc	aaggaatgca	240
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ggaagaaatg cagctctgtt gacaccttga gtttagccca gtgagacctg ttttggactt 360
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tagcactttg ggaggctgag gcaggcagat tgcttgtgcc caggagtttg agaccagcca 480
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cacgtgcctt tagtcctggc tacttgggag gctgaggtag gaggatggcc tgagcccagg 600
agggagaggt tgcagtgagt caagattgag ccactgcact ccagcctgag tgacagagca 660
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<210> 1109

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1109

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tcaagattga gccactgcac tccagcctga gtgacagagc aagaccctgt atccaaaaaa 180
ataaataaat aaaaaattgt gttgttttaa gcccctgttt atgataattt gttagagcag 240
caataggaaa ctgatccact gggaaacctt ttgggggatg cagctgcccc aaatccctgc 300
acgtgggttg gactcagcct cacaaggctc tacagcctct ctgtgaaaga ctccattccc 360
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gggtcaagaa ggatgcccc caggatagtg cctctgctgg acctctctat aggaagcagc 480
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gcttaagatt cccaggaagg agttgcatgg cccctccaca catccgcaat actcataaca 660
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<210> 1110

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1110

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ctcaggtgag ataacacacg agaaaacatt gtgccgcaca acttgagatg caaacagtaa 480
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ggaaagggtg agcacagacg cttcaaaact ctgtcttacc cataggcaga aggggtgtagc 600
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<210> 1111

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1111

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attatcttttg gatggtggga ttacaggtga ttatatattt tttatatattc tatagtttaa 480
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gttgaccaag gctggagcgc agtgggtgcaa tctcggctta gtgcaatctc ggtgtagtct 600
cgacctcaca ggctcaagtg atcctccccc ctcagcctcc ggagaagctg ggactacagg 660
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<210> 1112
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1112
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gatcctccca cctcagcctc cggagaagct gggactacag gtacatacca ccatgcccag 180
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cagtgactcc tctgtgcctg gagagaaggg caagcgcctt actcatgcct tgaggttgct 660
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<210> 1113
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1113
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gtgatcccta gtcagttccc tccaagtcca ggattttctc actcccacaa tgggtgtctc 660
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<210> 1114
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1114
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tacaagccag ccacctcagg gagtttccag gacagttagg gagaaacata acactgttga 540

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caagagctac	aacgtagggg	tttacaccaa	aacagtgtct	acgtaaacag	tgtctatcaa	600
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<210> 1115
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1115						
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<210> 1116
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1116						
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<210> 1117
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1117						
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700

<210> 1118

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<212> DNA

<213> Homo sapiens

<400> 1118

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cccccatgcc	atgaaggccc	attccttgcc	cagggtccta	gagtctgagc	ttctccaaga	180
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tgctctaata	aactaacata	aacttagggg	cttaaaacaa	cacaaatttc	ttttcttata	360
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<210> 1119

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1119

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tttttgtagt	ttgacctcct	ctgcatgtat	ccttaacaat	acagttttgc	cagctgttaa	360
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gtagtttcatt	tcactccagg	aacactgcac	aatttatttg	tactctccac	ttttgatggg	540
catttggaca	ttttctgggtg	ctgtgtgggt	attctgggtgc	acatgggtaa	gagtgtgggt	600
tgagaagatt	ctgaggagtg	ggactcttgg	gttacagggt	atatatatgt	tttcatcttt	660
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<210> 1120

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1120

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gggactcttg	ggttacaggg	tatatatatg	ttttcatctt	ttaaaaaaat	ttatattatt	180
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ggaggccgag	gccggtggat	catgagggtg	ggagattgaa	accatcctgg	ctaaccaggg	300
gaaatcccat	ctctattaaa	aatacaaaaa	attagccagg	cgtgggtggc	ggcgctgta	360
gtcccagcta	ctcaggaggc	tgaggcaaga	gaatggcgtg	aacccgggag	gaagagcttg	420
cagtgcgctg	acatcgcgcc	actgcactcc	agcctgggtg	acaaagcgag	actccatctc	480
aaaaaaaaaa	caaaaaacaa	caacaaaaaa	agactagtca	agggcagtag	tgagaagggg	540
gaaaagagta	gaacaaggag	ttcgatctgt	aactgactgt	gaagtcaatt	gagataattc	600
actaccttca	gatcagccat	gttttcatct	ttaccagatc	acttatatgc	tttattttct	660
ttactttatat	actttttta	cctgaaagtg	tttctcaggg			700

<210> 1121
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1121
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 acaagggcta cagagaagtc cgggtccaca acctcaatgt ttcagcagca cagctgtga 480
 gaaaggaatg tgcaagctgt ttgtggagca tgccttgggg gtgccaaggc cactggtgca 540
 aagggtgtgct tctggacata agtcactcca cacaatgctc accccaaccc tgtgaggtac 600
 ggtactgtca tccccatgtc acagaatgaa gacactgagc tgcacggaca ttgagtgtct 660
 gtcaatacag tgcaatgggt aatagcatgg gatctaggtc 700

<210> 1122
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1122
 tttgtggagc atgccttggg ggtgccaagg ccaactggtgc aaagggtgtgc ttctggacat 60
 aagtcactcc acacaatgct caccccaacc ctgtgaggta cggtagctgc atccccatgt 120
 cacagaatga agacactgag ctgcacggac attgagtgtc tgtcaatata gtgcaatgg 180
 taatagcatg ggatctagggt ctgtttaaat tgggtttaaa ttctgacttc cccacttact 240
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 aatggggcta attggctcac aggggtgttg agagaggtaa aagatgtaat gtgtagaagg 360
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 gaaatgatga ccattataga gttcaagggt gacaggggtg aatggggggg tgtcctggca 480
 agctgggacc aggccaccaa ggtgctgggt tgggtgctatg tgagaatgga atgctggcca 540
 ggtggactct gaaacatgga cacctggaca gtccctccac tgacctgtc cacctttgtc 600
 cggagctctc tacctatctg tggctgcttc caaggacggt gatttctgac agaggcagct 660
 ggaccttggc acatgcagaa gtttcagctc agcatcagtg 700

<210> 1123
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1123
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 acacctggac agtcctccca ctgaccttgt ccacctttgt cgggagctct ctacctatct 120
 gtggctgctt ccaaggacgg tgattttctga cagaggcagc tggaccttgg cacatgcaga 180
 agtttcagct cagcatcagt gctggccttc aggaggccgc attggcaggc ggcagcagtg 240
 acagccaatg ggcagcaaag cttgttgcta aggtcactgt gagccttatt tggtgacaca 300
 gggctgaccc tgcattcacc tctgagaacc ctgggaaacg ccaaccacag atgtgaaata 360
 tgaacatctc aaaaccacaa ctgcatttcc tttgagaaaa gattcggtcgc tcctcctctc 420
 cagcctgcct cctccgctg gatgtctttt gtacaatggc tcactactgc aagaggcaag 480
 agcctaggct acaagaagag tctgctacaa gctagtcctg ggcaggcctg gacagggaga 540
 gggcaggggc tgctgtgcag gcgggccccag gaccttcaag gacctccaag acttccgttc 600
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 ctggccccac ttctgcagc cttgggaagc cggctagctt 700

<210> 1124
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 1124

```

gtctgtctaca agctagtcct gggcaggcct ggacagggag agggcagggg ctgctgtgca 60
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ccctgcccag gcctcccca acacagccgg agggcctgtt cctggcccca cttcctgcag 180
ccttggggaag ccggctagct tgagaaaggc gtgtggcact catggaggaa gtgggcccgc 240
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gttggcggtt tcagtttttc acctcccttt ggtgcatctt ccagcttatc attaaataag 360
taaaaactgtt gctccacccc agacaaatgt gggagggaag ttgtgtcttc aatatttccc 420
aaataacact cactgctccc tcccattcat acagcacctt cgggtctggg agctgtgctc 480
acatctgcca tctcattaca tccttgcaac cctggcaaag gtaatgactg agctcacacc 540
atgtgtcagg gacatgaatg aattcacaga attcactgta attgtcccca ttttacagaa 600
gagaaaatga gacagagaaa ttcagtcatt ggctcaaggc catcacataa ctaggatttt 660
ctcccagatg gctgagttcc aaagtctgcc ctattctctt 700

```

<210> 1125

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1125

```

atccttgcaa ccctggcaaa ggtaatgact gagctcacac catgtgtcag ggacatgaat 60
gaattcacag aattcactgt aattgtcccc attttacaga agagaaaatg agacagagaa 120
attcagtcac tggctcaagg tcatcacata actaggattt tctcccagat ggctgagttc 180
caaagtctgc cctattctct tctgctacat tgcctccatg gcacatacac aagaatgagt 240
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cgttgcttcc tcagtccaca tctcctccca gaggatgggt caccaacgtc cttcatctgc 360
cctccccctt taaaaaccac tgtcagcccg gcacgggtggc tcatgcctgt aatcccagca 420
ctttgggagg ctgaggtggg tggatcacct gaggttggga gttcgagact agcctgagca 480
acatggagaa acccgcgtct tactaaaaac acaaaaattg gctgggtgtg atggtgcatg 540
cctgcaatcc cagctactcg ggaggctgag gcaggagaat tacttgaacc caggaggcag 600
aggttgcgat gagccgagat cacgccattg cactccagcc tgggcaacaa gagtgaact 660
ccatctcaaa aaacaaacaa acaaaacaa aaaaacactg 700

```

<210> 1126

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1126

```

ctactaaaaa cacaaaaatt ggctgggtgt gatggtgcat gcctgcaatc ccagctactc 60
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tcacgccatt gcactccagc ctgggcaaca agagtgaac tccatctcaa aaaacaaaca 180
aacaacaaa caaaaacact gtcattgccc caccgccagc ttgtctccct ttcttttttag 240
gtgtggccca cagagctcag tgcctgcct atctggaaga ggctgtgaag cccatctatg 300
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gaggggctgg gatgcagtcc agacactggg gagcctgatg cagacgcctc cctggagcac 540
tgtcctctc ttgggctctt caagcctgcc ctcactcatg aacacatatt ttttgtgtgt 600
acttcttgca tgcaggcac taccaggca cctgtggatgc acagtgaaca acacagacca 660
ggtccacgcy tcacagactt tacttccctg agggaggcag 700

```

<210> 1127

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 1127
cagacactgg ggagcctgat gcagacgcct cccctggagca ctgtccttct cttgggctct 60
tcaagcctgc cctcactcat gaacacatat tttttgtgtg tacttcctgc atgccaggca 120
ctaccagggc actgtggatg cacagtgaac aacacagacc aggtccacgc gtcacagact 180
ttacttcctt gagggaggca gacattaggc aaataatcac atggatctct gaaaaacata 240
gctcctacga gagggtgcaa cttcaggggt cttaacctac aaaggagtgt gtgggattag 300
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gcttcaggaa atctgccgct tccatgagag cttcttttgg ggtgtcttcc aagctgctac 480
caagcgatgg ctttgccagc tgttgctttc agtgtttgtg cctgggtgag cacagccggt 540
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tttcagcata agcatgacat tagcttttcc tagagaggaa accacccccg gggctgacag 660
caagcaggcc aggcttaag gaagcaagtg cagcgctggg 700

```

```

<210> 1128
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1128
ctgttgcttt cagtgtttgt gcctgggtga gcacagccgg tatgaaatgg cccagattaa 60
tcgagagcca ggccccctct aaagtacctc tgaaaagagt ttttcagcat aagcatgaca 120
ttagcttttc ctagagagga aaccaccccc ggggctgaca gcaagcaggc caggcttaaa 180
ggaagcaagt gcagcgctgg ggccccctca tgccctgctg cagacaggac accctcactg 240
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ttgtggaaaa gaaaccccaa cagttagggg agcgagtga actggaaaat gaaactgtga 360
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tgccctcagg catcacagag gagctgaggg gcaggaaaaa gtgttccagc cagcaagcac 480
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ggtgattctg atgcaggctg tggacctcac catggcagtc gtggcctcag agaccatcag 660
aacagctaga gcacacctga ggcacggcct catcctctcc 700

```

```

<210> 1129
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1129
cagagggcgg gtactggact ggtagaaccc actgagcagg gagttgttgc aatgccgatt 60
cctggctctc caggtctctga ggccgtacgt ttgggccctt tgggtattct gatgcaggct 120
gtggacctca ccatggcagt cgtggcctca gagaccatca gaacagctag agcacacctg 180
aggcacggcc tcactctctc caagtcactt cctgccacag atgctcgga agtgctgctt 240
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gggacctgag gtctgtagga aaccccggt gtggacttca cacaagggtc gctctttccc 360
acactccagg tttcccttta agctgcta attgtaacagg cattcataga aacagaataa 420
gatagagaaa ttctattaaa ggaacttatg tgcttttgc ctgtctgttg ctccatttat 480
ttgcaattta tagcctaate caagaggatt taaggacaat taaatatttc tttccctca 540
gtgtgtgtgt gcgagtgcac gtgtaagagt gtgtaggggt tgggtcttcc aatgtacctt 600
tgccctggtt tgaccgtggg gggagagggg gggcaggtct ccaggcctgc cagatgtaga 660
cctttcctaa tgtctacagc aaatttgttc ttcagtgttt 700

```

```

<210> 1130
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1130
ccaagaggat ttaaggacaa ttaaataattt ctttccctc agtgtgtgtg tgcgagtgca 60

```

```

cgtgtaagag tgtgtagggg ttgggtcttc caatgtacct ttgccctggg ttgaccgtgg 120
ggggagaggg tgggcagggt tccaggcctg ccagatgtag acctttccta atgtctacag 180
caaatttggt cttcagtgtt tctagtatca gtttttgatc aatcattaat caaagttgca 240
ataaaaagat aatcttctca ggactaggct ataaagggtc tggctgcaac cttaaaaaac 300
ccttctgtgg aggctcaga gccaaagaga aagggcgatg tgtctgtggc tggatttggg 360
ggtaaatgaa cgtgctgtcc ctctctaatt ggtgtgcacg aacatgaact tcagtcactt 420
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gggggcacct ccacagggtt tgaccactgc agcatgctct ggggccaggc ctatggcagt 600
ggaggcagga cagccccag gaccacagag ccccatagt ggaggagcc actacttggg 660
cggctcagct cattcctgct gacttgctgc tgtacagggc 700

```

```

<210> 1131
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1131
ctggggaagg aggcgtgtag tggggccaaa tatgggggtc tgggggcacc tccacaggtt 60
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ggaccacaga gccccatag tggagggagc cactacttgg gcggctcagc tcattcctgc 180
tgacttgctg ctgtacaggg cagaggggtg cctgagacaa agaggagaca cacttctccc 240
acgagaaata aagcaagcag ctgttcctct cttgggcca gcaggggtca gaggctgtgg 300
gaccttcaact ctttcctct cagtggagag ggcagatctg ctctttgggg tgtgagggca 360
cagcctcctg acaagctgga gaagcaggat ttaagagcta gaatcaacgg agaattgtgag 420
gcccagcatc aggttcaaga agcaagggga tcaaggttgg gggggaggca gggagcctga 480
gcctagcgca gcccagacca acagactgag gagtccagag agccaacatg ctactcggc 540
catcgctaag atgtgtagtg tgtgagaagg tgtgagaggt actcggttt ctctctccaa 600
ccccttccaa catattattg ggtcgtgggt gccatgtttt tagtagacac ataaaataaa 660
tgagtatttt cagagaagtg caaccctgga ggtgcagggg 700

```

```

<210> 1132
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1132
aacagactga ggagtccaga gagccaacat gctcactcgg ccatcgctaa gatgtgtagt 60
gtgtgagaag gtgtgagagg tactcgctt tctctctcca accccttcca acatattatt 120
gggtcgtggg tgccatgttt ttagtagaca cataaaataa atgagtattt tcagagaagt 180
gcaaccctgg aggtgcaggg gagtgaactc agccatgaga aatcattcaa aggattgacc 240
tatggaacag ggatagactt gctctccatg gctccagcag ggaagcagca gagaggggaa 300
cctttcctga aagtccagtg tgacatctga agacacacac acacacacac acactttttt 360
gagagagaga acgagaatga aaagatacac actgatcttt caacagtcgt tgtctctacc 420
tggtgattgc gaatgatttt aatttttttc ctcttggtgt tacagtattt tctaaaatct 480
ctaaaataca ccaaatttac tttcttggtt tggcaaaata gacataaaat gtctacatcc 540
attttaacca tttttaagtg cagagttcca tagtatgaag tacattctca ctgttggtgca 600
gccatcacca ccatccatct ccagaacttt ttcacaccc tcaacataaa ctctgcatcc 660
actaagcagt atctccctgt tcttcctcct tccagcccct 700

```

```

<210> 1133
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1133
ctttcttggt atggcaaaat agacataaaa tgtctacatc cattttaacc atttttaagt 60
gcagagttcc atagtatgaa gtacattctc actggtgtgc agccatcacc accatccatc 120
tccagaactt tttcatcacc ctcaacataa actctgcac cactaagcag tatctccctg 180

```

```

ttcttcctcc ttccagcccc tggcaaccat ccttctactt tctgtctcta tgaatttcac 240
tattctaggt acctcatata agtgggatca tctggatatt ttccttctgt gtctggctta 300
tttcacttag cataatgttt ttaaggttca tctatgttat aacatgtacc agaatttcac 360
tccttttttaa agctgaatta tgttccattg tacgtattca ccataatttg tttatccact 420
cctcttgtca tggacatctg ggttgtttcc accttttggc tattgtgaat aatactgcta 480
caaactactg tgtacaaata tcactttgag tccctgcttt caattctttt gggatatatt 540
ctagaagtgg aactgcggga tcatatgata actaagtttt tgaggaacca ccacattgtt 600
ttcaacaaag gctgcatgat tttacgttcc caatagcaat gcacaagggg atctatttct 660
tcacatcctt gccaacactt attttcaggt tgtttttgtt 700

```

<210> 1134
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1134
atcactttga gtccctgctt tcaattcttt tgggtatatt cctagaagtg gaactgcggg 60
atcatatgat aactaagttt ttgaggaacc accacattgt tttcaacaaa ggctgcatga 120
ttttacgttc ccaatagcaa tgcacaaggg tatctatttc ttcacatcct tgccaacact 180
tattttcagg ttgtttttgt tgttttaaaa tagccatcct aacagatgtg aagtgggtatc 240
ttacttatta tgggttttcat ttgcatttcc ctaatctaaa ttacgtttta aaatccaatc 300
ctctctgaat tgaacccttt gttctttatt tctcaataaa atggaccttg cccctttttt 360
ttccttcttt gtacctatgc tctgcatttt aaaaaattgt ggcaaaatac atataactta 420
aaactttacc atcttaacca ttttcaagt tagagtccag tattaagtat attcacattg 480
ttgtgcccta acccaaatat agtatataat ggcaaaaaga aacaaaaggc tctctaaaga 540
aaaagaaagc cgtgaattct tggaccccag agatgttcac aaacagattg gatcaatctc 600
agcagggact ttcattcatc ttctgagcat ctctgctggg ctgggctctg tgccaggcag 660
ggggctccga ggtgagtgtg gcctggactc tgcccttggg 700

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<210> 1135
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1135
tagtatataa tggcaaaaag aaacaaaagg ctctctaaag aaaaagaaag ccgtgaattc 60
ttggacccca gagatgttca caaacagatt ggatcaatct cagcagggac tttcattcat 120
cttctgagca tctctgctgg gctgggctct gtgccaggca gggggctccg aggtgagtgt 180
ggcctggact ctgcccttgg ggttcagcct ctgtggggaa cagttatacc caagggtgc 240
tgtgggcaca gagggacacc ctgttgtgtg ggtgcggcat tgggaagggg cataagttag 300
gtggcacatg agttcaggtg ggaaggatga gcagacatgt acatgtgcag agaagggaac 360
tggcatgtgt ggctgggctg tggcagcaca cctcacaacc gccattacag gagcatctat 420
taatcattta tgtctgtctc tctacttgat tataagctgc atgagagcag ggctgggtgt 480
tttgttcact gctgcattgc tgccatgcc agcacaggca agtgtaaaag aaacacttgc 540
tgaataaatg agtggttgat gacgaggaaa aaggagacat ttctttccag aatcttggt 600
gtaagcagca gacagcatgg ctgtactcca cggggaaggc aggatggcag gaagcattat 660
acaggtgatg gagacaggag cacagcagga gccagtggag 700

```

<210> 1136
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1136
ctgccatgcc cagcacaggc aagtgtaaaa gaaacacttg ctgaataaat gagtgggttga 60
tgacgaggaa aaaggagaca tttctttcca gaatcttggc tgtaagcagc agacagcatg 120
gctgtactcc acggggaagg caggatggca ggaagcatta tacaggtgat ggagacagga 180
gcacagcagg agccagtgga gaagaagagt ttgaagattc cctggttgag agaatggaag 240
ggcgtaattg ctggggagag gtccctgaag aaaggggaga ggctgggatg caggctcagt 300

```

```

ggaaggagag gagtctcctt atgagactca gatggccagt gtgaaaaaga cagaagatac 360
caactgctgg taagaatggg aagcacactg catggggaac tctcctatac tgctggaggc 420
gtgttcttcc tgttattcta gattcagaca gcactctggg cgctgggttg tgcaggccac 480
catttggggc aattagagga accccaatat ctgcacttgg actatcagaa atgagagctc 540
tacgccaga gcaatttcca agatgggcct gaatccatga gtcatggcac taaatggagc 600
ccagggttgg ctctgagcct aacagcctcc aaaatgtcaa ctttgttcac gtgccacttt 660
gtccctcatc tcatgccatg cagctggcag gacttcagtt 700

```

<210> 1137

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1137

```

aacccaata tctgcacttg gactatcaga aatgagagct ctacgcccag agcaatttcc 60
aagatggggc tgaatccatg agtcatggca ctaaattggag cccagggttg gctctgagcc 120
taacagcctc caaaatgtca actttgttca cgtgccactt tgtccctcat ctcatgccat 180
gcagctggca ggacttcagt tgacagaagg tagaccctgc tcttttcaaa aagcacacag 240
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gcaaccgatg tgtgccaaca tggagcccac acagggcagc tcagcgtgac acctgcacag 480
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taccaaatgg cattatactc tctgtggggg agcacagatg agtgtccggc agtccctggg 600
atgatgttac agtccagagg tggggatgag atgagcccag atgatgcaat ggggatgcaa 660
tcaagacacg atgtcattag aagccacagt gtgttctctc 700

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<210> 1138

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1138

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aatgcatctt ctttctcaag ttggaagagg ctgtactgaa ttaccaaagc gcattatact 60
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gtggggatga gatgagccca gatgatgcaa tggggatgca atcaagacac gatgtcatta 180
gaagccacag tgtgttctct catgccacgt gtttcccagc ttagaggagt aaggggtcaa 240
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caaacgcaca gaattcaaga gctagccagg cctggaccca tgtaggagag cccactggc 360
tgatttccaa tctgggacaa aggccacaga caggaggcct cccttggcca caccagggtc 420
cccagaacat atgctccact gtccccagtc taaccacaac cccatatgag ctgtgtccca 480
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actgcctgga gctctgggga gaccaccaag gggccatttt tgtggttagg aaatgtctgt 600
ggcagctgtg gacaccacag gccctccctg gacccttctg aagtagaggc cacattccta 660
aagattctta actgccagct ccaattgctt cttcctgaca 700

```

<210> 1139

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1139

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tgggaagtac ctggcatggg gccctccgct tctcccccac gactgcctgg agctctgggg 60
agaccacca ggggccattt ttgtggttag gaaatgtctg tggcagctgt ggacaccaca 120
ggccctccct ggacccttct gaagtagagg tcacattcct aaagattctt aactgccagc 180
tccaattgct tcttcttgac aggtcatct tagtagggag tgaatataat cttttccag 240
ttccacgagg tctctcaga tccaaaatgc tctaagttca aaggcaaatc atgaagaaag 300
ggagacgcag atactaattt gtggttttag ttcagtgggt ttccaccttg gctacacagt 360
agagttacct aaggagcttt ttaaaaatac tcatgtccaa atattccaac aggcactttg 420

```

```

caaagagaag atctaaatgg ctaacaaaca tatgaaaggt tgctcagctg tattagtcac 480
cagggaaaatg caaattcaaa ccacactgtg ataccactac atacctgcca gaatggctaa 540
catgaaaaaag atagaaaata tctatgggttg gcaaaaaatgt gaagcaacca gaactctcat 600
acattgctgg agggagtgtg aatgggtaca gccacctggg aacattatctt ggcataaggt 660
actaaagctg aacataactca tatccatgct tccccagcaa 700

```

<210> 1140

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1140

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accacactgt gataccacta catacctgcc agaatggcta acatgaaaaa gatagaaaat 60
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aaatgggttac agccacctgg gaacattatt tggcataagg tactaaagct gaacatactc 180
atatccatgc tccccagca atggatatac atgtactcca aaaatacaca ctagcatgtc 240
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cacagtagaa tggataaatc gaggaatatc catagagtgg aatactctat agcaagaaga 360
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ggatatatac tgcctgattc catttacatc atataaagtt tgaaaacagg agaaatgact 480
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gtaccagggg ttgctggtga tgttctgttt catgatattg atgctggtta ctcggggtaa 600
attcattttg tgaaaattca ctgagcttta cacttatggt ttgtgctttt tttttttttt 660
tgcatatatg tcatccttca acaaacactt aaaaaatggt 700

```

<210> 1141

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1141

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aatggacatt agccttttga gccaggtagt aagtggagg ggtaccaggg gttgctggtg 60
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actgagcttt acacttatgg tttgtgcttt tttttttttt ttgcatatat gtcaccttc 180
aacaacact taaaaaatgt ttgaaaaccc catcaattca gtcagactct ttgggtggga 240
gcaagatcca ggcacagta ttttttaata tcccagatga tggtaatatg cagccaggat 300
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tgacaaaggc cacttccagc tcagtggagt gagacactgg ggtgggaaga tgtccatttt 420
ttggatgtgg gtcagtctct tgcacaggca gaggtattgc agcatgctgt tghtaatgtg 480
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caacaagggt ggcccagccc cccccaggaa gtggatcact gagcacagct tctacagggc 600
catttgtaga gaggtggcag ctgggcttcc caggggctgc caccaggggc agagccagtg 660
ctgaggctct gacaacctcg gcagggtggg gagaaggcca 700

```

<210> 1142

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1142

```

gttgaaagct ggttgcacac gtttghtaat ggggtgtaat gcaacaagggt gggcccagcc 60
ccccccagga agtggatcac tgagcacagc ttctacaggg ccatttghtag agagggtggca 120
gctgggcttc ccaggggctg ccacccaggg cagagccagt gctgaggctc tgacaacctc 180
ggcaggggtg ggagaaggcc agactcaggg tgtttatgtt tgtgggtaat gacagtcagc 240
tctgggctcc agatgatgct tactccctgg cctctgtgtt cagattagga acttgcaaca 300
tcttgtgtag gaccatgtca ggctcagctc taagtgtgtt ggctgagaat tttccttcct 360
ctctgtgtgg ttagtggcag cctccctagc aatggctgac ctctagcata ctctgtcaaa 420
ctacaggcag ctgggacaag acaggacatg gggctcacag acaggtattc cacaacctgg 480
gccctgtcaa ccctcccaga aatgcatggg ccatgaacct cctgctgtgg gaggggcagt 540

```

```
gcagagaagt ctcaataagc ttctcttggc cctctgggat ctccaccatc cacagtgtgt 600
agggctgagc tgcaggctgg gtcttcagggt ggtgtccctg cacatctgct ttgcagcgtg 660
gcgtctatag agcaagagtg aacaggaagg ggccctcgggc 700
```

```
<210> 1143
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 1143
aaatgcatgg gccatgaacc tcctgctgtg ggagggggcag tgcagagaag tctcaataag 60
cttctcttgg cccctctggga tctccaccat ccacagtgtg tagggctgag ctgcaggctg 120
gggtcttcagg tgggtgtccct gcacatctgc tttgcagcgt ggcgtctata gagcaagagt 180
gaacaggaag gggcctcggg cctcctgtag ctctgctggg cagggacgct gcggggcctc 240
agctgggctt ccttggttaa agggcacaga gtggcgtagg ctgcaagagg acaagctaag 300
ctgatgaagg ctctatcact caagggtagc catgtaaaaa aaaatcccta caggtaaaag 360
aagcatgaat aagacaggcg gggcataaca gtgtctcccc actgaagctg caactctctg 420
cttcaactggc ttcagcctcc tctctgtgaa atggggggcaa tgtcccttag gccttttctt 480
cctgtccagt agggctgagg gtctacaggc cagagggagg cctgggctct gaggcctgtg 540
cctgtgtggc ctctggctgg gacctcagcc cccatgtgcc atgtcacctc ccttgtctgt 600
gaaataccac aacagcagct cttgccagcc agtgacacta ccccttctctg ttgtcttctt 660
taciaagcat ttatgaaatg cttccttttc atgtctcagg 700
```

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<210> 1144
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 1144
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tcttgccagc cagtgcactt accccttctt gttgtctctt ttacaaagca tttatgaaat 180
gcttctcttt catgtctcag gaaaccggtg gccaggagga gttcttgatt tcatcttctt 240
ccctagagat atgtgtgctt cgaaatacac aaattaaaca aaaacgaggg ctgactggga 300
ccaggagagt gagtgatcct ggcttccctt gatttacatg cttattttcc ttctcaaate 360
actccagtaa gtacagaagt cactaatcta ttgccctcta ttatctgcat tatagttaaa 420
aacatcgaca tgaacaaaca aaagcccttg cgtagcctag agaagtcaca aagctcacac 480
ccagactctc gcctaagaga gtctctcagg gctcactcag ggactattta ttcttgtttt 540
atctttttta atgttgatac cctctctgct tgagtatcct tgttttagat gcaaatcaga 600
aaagggttgc gtattgatca cagtccagc aggaacaaaa tgcacactcc actggtaaca 660
ggagagactg aggaaaggac cgtttccaag ggtgagcaag 700
```

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<210> 1145
<211> 700
<212> DNA
<213> Homo sapiens
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<400> 1145
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ccctctctgc ttgagtatcc ttgttttaga tgcaaatcag aaaagggtgc tgtattgatc 120
acagtcccag caggaaacaa atgcacactc cactggtaac aggagagact gaggaaagga 180
ccgtttccaa gggtagcaaa gatgaagaga aacctcgaag gaaagggtgaa gcatcctgca 240
gccagcaaca gtgggagctg tgaccaccaa tccccaggga ggaggtggga gggctcctgg 300
aaccagaga gacctgtagg aggggactgc cggcaggagc tgtggtttta ggggtgaaaaa 360
cacaggcact attgacctga gacctggcaa gggaggagagc tgggggggata aagcacctcc 420
catttccctt cccagcctcc aacctctggg caggggaggg gtcttcaatt ggccaaaccc 480
aactggaagc ttggggacct ggagcctggc tgatggaatc cacaagggtc aaatcctggg 540
aggagtggga aagagcagaa aatcaactgg agcagggatg tgtggggggg tggcaacaaa 600
acaatgcccg gcagagtcac cagggctggc catttgaaaa gagtacatca gaagctaacg 660
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tgctgtaatg tggcactctc accacaaata cataggatga 700

<210> 1146
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1146
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 aaatcaactg gagcagggat gtgtgggggg gtggcaaaca aacaatgccc ggcagagtca 120
 ccagggctgg ccatttgaaa agagtacatc agaagctaac gtgctgtaat gtggcactct 180
 caccacaaat acataggatg aaaggcagcc agggacagag gcggccacga agaaagggtt 240
 aaagaatccc agcaaaatga ctgggggtcct cattatggaa gaacaaatag ctttacttaa 300
 taattccaag gtaatagctt aatagcttaa taattccaag gtaaacaagt attttcataa 360
 ggaggactct gaatgatcaa cagaagggtta aatgtcactg tactgcttca cagagctggt 420
 acagggcagg gaagactata acacaatgta gagatagatc catacaagag aggtacaaca 480
 gggtttccag ttcaacacat cagttattta cactcctagt ttcttttctc tcctgaagca 540
 ccactaaaaat gctagtctag aaatcaaagtg gggccagggt cagtgggtca cgcctataat 600
 tccagcactt tggtaggcca aggcaggagg atcattagag tccagaagtt caagaccagc 660
 ctgggcaaca tagcaagacc ctgtctttaa aaaaaattg 700

<210> 1147
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1147
 tcagttattht acactcctag tttcctttct ctctgaagc accactaaaa tgctagtcta 60
 gaaatcaaat ggggccagggt gcagtggctc acgcctataa ttccagcact ttggtaggcc 120
 aaggcaggag gatcattaga gtccagaagt tcaagaccag cctgggcaac atagcaagac 180
 cctgtcttaa aaaaaaattt ggctgggtgt ggtggtgtgt acctggagtc tcagctactc 240
 aggaggctga ggtgggagga tcacttgagc ccaggagttt gaggctgcag tgagctatgg 300
 tcacaccact gtactccagt ctgggcgatg aagtgatacc ctgtctctta aaaaaatcaa 360
 atggggccag gcgcggtggc tcatgcctgt aatcccagca ctttaggagg atgaggaggg 420
 tggattactt gagatcagaa gttcgagacc agcttggcca acatggtgaa accccgactc 480
 tactaaaaat acgaaaagta gtcaggcatg gtggcacatg cctgtagtcc caggtactcg 540
 ggaggctgag atatgagaat tgcttgaacc cgggaggcag aggttgcaat gagccaagat 600
 tgtgccactg cactccagct tgggtgacaa ggcgagactc tgtctcaaac aaccaacca 660
 ccaaccaaatt ggtattaact ctcaaaggca aagagaatgg 700

<210> 1148
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1148
 agtcaggcat ggtggcacat gcctgtagtc ccaggtagtc gggaggctga gatatgagaa 60
 ttgcttgaac ccgggaggca gaggttgcaa tgagccaaga ttgtgccact gcactccagc 120
 ttgggtgaca aggcgagact ctgtctcaaa caaccaacca accaaccaaa tgggtattaac 180
 tctcaaaggc aaagagaatg gtaaaggaga catgagtggc tgaaagagtt ccccaacta 240
 caggaagctg ggaggcagggt ggaggaataa tgactgacat ggaggaagct aggtcttgaa 300
 gggcttgacg aggggcacac tgacaggagg caagccactt taccctgga accctgcagg 360
 aggagctcag acttggggag tccagggtgt gtggctgggt gggctgaggt acagcagcca 420
 gtgggggttaa tgaatggagg aaactgggtt aaatcctccc caggtctcac ctccacaccc 480
 tgccccacac agctggagac aaagacactg aacaggagag agacaggcag gagggagggc 540
 agatgaatac agggatgaaa acaggagggt gagggaaaag tctgaagaat gaagcgtggg 600
 actcaatgtc ccaccactt accttgcccc gccccacccc aggtatatat cactctggat 660
 gagggtatgg tgaattttaa agatggttgc aaattccttg 700

<210> 1149

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1149

```

caaagacact gaacaggaga gagacaggca ggagggaggg cagatgaata cagggatgaa 60
aacaggaggg tgaggggaaaa gtctgaagaa tgaagcgtgg gactcaatgt cccacccact 120
taccttgccc cgccccaccc caggtatata tcaactctgga tgaggggatg gtgaatttaa 180
aagatggttg caaattcttt gacatttctc caatggagag gtgggtctgt gtctccttcc 240
ttgaacctat gtggatttct gactacagtg gaaatgagct atgtgacttc caaggctggg 300
acatacacag ccatgcagct tctgtcttgc tggccagaac actcacacca gagacttgag 360
gtgcctcgta agagggtccaa tgaccaggcc atgggtgctgg agacatcatg tgtagtctct 420
ctggtcaaca gtcccaactg agcccagcct tccagctctc tttgccaaagt gaacaaccat 480
cttacaagtg gacccttcag ccccagctgt tccaactccc agttattcca gtcacctga 540
gtcattccag tcatcctagc cgtcgtagag cagagaattg cccttctgac tccttgacag 600
tggcccaaaa aatggttggt gttttatgct actaagtttt gaggtgggtt gttatgtagc 660
gttcaataac tagaactagg agttagaatg cttctcttga 700

```

<210> 1150

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1150

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gccccagctg ttccaactcc cagttattcc agtcacctcg agtcattcca gtcactctag 60
ccgctgtaga gcagagaatt gcccttctga ctcccttgaca gtggcccaaa aaatggttgt 120
tgttttatgc tactaagttt tgagggtggt tgttatgtag cgttcaataa ctagaactag 180
gagttagaat gcttctcttg aggagctgaa tggcttcagg gtgggtggtt tcaacaggg 240
gattttgtcc cccaggggac atttggaat gtttacagac attttggtta tcacaactct 300
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acaatgcatg agacagcctc tgacaacaag gaattctttg gcccaacatg tcaactagtag 420
caagggttaag aaacctagct ctagagaaaa ggtgctcatt ggaggcttgt taactaaaag 480
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tcagcctttt attgtccat taataaatac caacagatag ctgagatatt tggcatttaa 600
ggaaagcctc caacaaggag agatggagag acagagagag ggagaagaaa aagaaagcag 660
aaggaaaaag gaagaaggat taaagaagag ggaagaagaa 700

```

<210> 1151

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1151

```

tgaaacccca gttgataaat tctccccaag cagagtttag ttcagccttt tattgctcca 60
ttaataaata ccaacagata gctgagatat ttggcattta aggaaagcct ccaacaagga 120
gagatggaga gacagagaga gggagaagaa aaagaaagca gaaggaaaaa ggaagaagga 180
ttaagaaga ggaagaaga agaacaagag gaagaggagg aggaagaaga agaagaagaa 240
gaaggatgac gacaacgaca acaacaacaa caacaagaag cagccaccac cgccgctgcc 300
acctccaggt agaaacaaaa acaaaataga gactagaaga ctattaagac aaatggacaa 360
atgaaaaata aatagtgcct caagaagaat aggatggaga tagtatatgc ataaaaaaga 420
atgtggtatt ttgaaaaag aacaggaaga acaagaatga gtactaggat attagaaaaa 480
gaaagccaaa attaaaaaaa aaaatcaaca gaagggttgg agtatgaagt caatgaaggt 540
ttccaagaa agtagaccaa aaaggcaaag agatgaaaag taggagagaa aatataagga 600
aactaaaaca ttaatccaga tgatccaaca gataaaatac aggaagaaa attattaaag 660
aaataatata agaaaatctt ccaggactca aagatgctac 700

```

<210> 1152

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1152

```

aaaaatcaac agaaggggttg gagtatgaag tcaatgaagg tttcccaaga aagtagacca 60
aaaaggcaaa gagatgaaaa gtaggagaga aaatataagg aaactaaaac attaatccag 120
atgatccaac agataaaaata caggggaagaa aattattaaa gaaataatac aagaaaatct 180
tccaggactc aaagatgcta cataactcag cagtgcgaa tatgtccaca ttcactattg 240
agttaaccac agattgtgtt atgttcctat tggaaggatg gagagaggaa aagtggggat 300
ggttctgtag gaaagttcaa tcctcatcta tcacaagaag tcaacaaatg cctaaaatcg 360
gtagatcaaa aaatagtata aacagaaatg gaaactagta aatggttgaa agaggcagcc 420
tatagagagg gggagtgaga aaggcgggga agggattttt attatgggct tctcagtaca 480
actgatattt aaaccatatg catgcattat tttttatttt gtttttaatg gatacataat 540
aattgtagat atttatgcag tgcagtgtga tgtttccaga catacatata gcatgacatg 600
atcaaatcag ggtaattagc atatctatca ccttaaacac ttgtcatttc tttgtggtga 660
caacattcaa aatcatctct tccagctatt ttgaatttgt 700

```

<210> 1153

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1153

```

gcatgcatta ttttttattt tgtttttaat ggatacataa taattgtaga tatttatgca 60
gtgcagtgtg atgtttccag acatacatat agcatgacat gatcaaatca gggttaattag 120
catatctatc accttaaaca cttgtcattt ctttgtggtg acaacattca aaatcatctc 180
ttccagctat tttgaatttg tgcattattt gataaaattt gatagaatag aaattaattt 240
aaaaggggtac aattttaaaa ctgcaatgtg atgggaccaa atttaataat ttggaaaatt 300
cgcttatgta gaagagtcac gcctctctaa gaatgctcaa tgaactggca taggtgggca 360
caagcaccat cagcatggaa gggttcctcc tgatgtcact ggccactaag gcagtgggtg 420
gggtgagggg ggggatgaga gccaggcatg gcagccctta ggtggtcacc atttccctct 480
cctggcagcc tgtatttgct tgggagacct atctcttggg tatagatcct attgggctgc 540
taaagaagag aggtgcta at ccttttagga tgacttctgg gaattcacca ggatgccctg 600
cctctcctac tctggacatg gaaaaaaatg ctgggtttac caaaggtgga tgagtcaggc 660
ccaggactag agccacgggg cctctccctg gacgtgccat 700

```

<210> 1154

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1154

```

ttgggagacc tatctcttgg gtatagatcc tattgggctg ctaaagaaga gaggtgctaa 60
tccttttagg atgacttctg ggaattcacc aggatgccct gcctctccta ctctggacat 120
ggaaaaaaat gctgggttta ccaaagggtg atgagtcagg cccaggacta gagccacggg 180
gcctctccct ggacgtgcc a tagtcaggct gtctcggcag ctaaaagagg ctacacacat 240
ttattgtcat cagaagctgg gacagatgag ccttgggtta caagatctcc tacctggagc 300
tctcccggga ggtgccaatc ataggggatg ggaggacaaa cacatgcttg gtggggctcc 360
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cttttccttc acccattgtt ctccctattc cctttctttc ccacctctct ctcatgtctc 480
cagagctctg tgcagggact acttagcaaa cttacctgct gaaatgcaact gttttttttt 540
ttaacctttt aaattgtcac ttttttttaa actataccat ccttagataa gcaggagata 600
ttccttgtag aaaaataaga aaatattaat aatcacccat gattctatca gtcagaaaac 660
tccactgctg gtgtatgaat ttccagaatg tttccaggct 700

```

<210> 1155

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1155

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tacttagcaa acttacctgc tgaaatgcac tgtttttttt tttaaccttt taaattgtca 60
ctttttttta aactatacca tccttagata agcaggagat attccttgta gaaaaataag 120
aaaatattaa taatcaccca tgattctatc agtcagaaaa ctccactgct ggtgtatgaa 180
ttccagaat gtttccaggc ttataaacgg gtaaaaaatac tatcacagtc catgtctcat 240
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gttaatctct cttaatcctt ccaacttcac aagatagggtg ttattgtgcc ccgtttacag 360
gcaggaaaca agttcaggga gatcacatta attgcctgag ttcccaagtt gggttaagaga 420
ctaagctaga tctcaacctt tcagggtgaa tccaaagcta ctttccttga atgggttgta 480
agatttttcc atttcttttt taaaaaaatg gtatgttcaa atatctttct catcaataaa 540
tatttatctt catcattctt cctaattgac ttcccttgta tgaatgtgcc aatgtggaat 600
aaccagttcc gtcttggtgg gctttcagat gttttctttt tgtaaattgat aaacaatgca 660
gttataacta tctttatata taaactttgc aatagtatga 700
```

<210> 1156

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1156

```
ttaaaaaaat ggtatgttca aatatctttc tcatcaataa atattttatct tcatcattct 60
tcctaattgac attcccttgt atgaatgtgc caatgtggaa taaccagttc cgtcttggtg 120
ggcttttcaga tgttttcttt ttgtaaatga taaacaatgc agttataact atctttatat 180
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ggtcaaaggc cagacacatt tttaaaagct gcctctttcc caatcacaca tttcccat 300
ccatttatct gctgaggatc ttcacaaaat ttggactgag attaaacaca gaatcagaga 360
agccctatgc tggaaagatc ttagtatata cctcttgaac taaaccagtc ttacttttaga 420
aaaaaaaaaa aaaaaggcca ggcgcggtgg ctcatgcctg taatcccagc actttgggag 480
gccgaggtgg gcgcatcatg aggtcaagag attgagacca tcctggccaa catggtgaaa 540
ccccatctct attacaaata caaaaattgg ctgggcgtgg tggcgtgtgc ctgtagtccc 600
agctacttgg gaggtcaggc cggaagaatc gcttgaaccc gggaggcaga ggttgactg 660
agccgagatt gtgccactgc gcttcagtct ggcgacagag 700
```

<210> 1157

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1157

```
gaggtcaaga gattgagacc atcctggcca acatggtgaa accccatctc tattacaaat 60
acaaaaattg gctgggcgtg gtggcgtgtg cctgtagtcc cagctacttg ggaggctgag 120
gcggaagaat cgcttgaacc cgggaggcag aggttgactc gagccgagat tgtgccactg 180
cgcttcagtc tggcgacaga gcgagactcc atctcagaaa aaaaaaaaaa ccctagacct 240
tctgcagcag cctgctgtgc cttcagtggg ccaggcagca cttctgggca agtgaggaaa 300
gggagaccgg gagggaggta ggggaagtgag ggcaagaggg ccatgctgtg ggcccacaac 360
caactggctt gggggaggct gctacatttt cccaagtgca aactgtctt cctgagtcta 420
aagacctcac agccatcact gactatactg agctgcctca ctgtccccag gactctcact 480
ctatccagga agtcaacgca aagtctcttg ggccttccct ttatccagct gccaacactt 540
agcaccctgg tcttccttgg acagtttcca aggtacgtt gggcagtcct aaacaagatg 600
tggtcttatt gttgtcttac cttggtgtgt tttcctccaa taggctacaa actctggcac 660
ctgcaaaaaa caaggaaagt aaatgattga agcagggcac 700
```

<210> 1158

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1158

```
aaagtctctt gggccttccc tttatccagc tgccaacact tagcaccctg gtcttccttg 60
```

```

gacagtttcc aaggctacgt tgggcagtc caaacaagat gtggtcttat tgttgtotta 120
ccttggtgtg ttttctcca ataggctaca aactctggca cctgcaaaaa acaaggaaag 180
taaagtattg aagcagggca ctgaagggtg gcctttgaac aacgcaagcc tggatggaag 240
ttgaaagatg agagcccatc tgtggtgagt tctttgaaag ctgctgaggt gtgagttggt 300
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gagggtttct ttctcatttg gcctgttaat gctcctatac tggcagaaac ctcagtgcc 420
ttcccacttt gtctcaaggc cttgtataaa aaataagttg tcccttcatt catttccatg 480
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gctctgggaa tagagcattg gactaaaaag gctaacaccc tgcctcatg gagcttgaag 600
tctactgggt aggggggtgg ggcgggtggt gtagtgaaga gtccaaaaac taacaagata 660
cataaattaa aaatatagga atcagaagtg gtaaactcta 700

```

<210> 1159

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1159

```

tatttactga gcacctacta tatgccaggc actgtcctag ggctctggga atagagcatt 60
ggactaaaaa ggctaacacc ctgccctcat ggagcttgaa gtctactggg taggggggtg 120
gggcggtggt ggtagtgaag agtccaaaaa ctaacaagat acataaatta aaaatatagg 180
aatcagaagt ggtaaatcct agggaggaaa aaataaggca ggagagagag gtaaggaata 240
ttggggcaga aggtgagaag gcgtgtaaaa attctaaat gtgtgtccag agaaggctag 300
acacctgaga aggtaaatta tgaacaaagt tacctgaaaa aagtgaggac atgagccctg 360
agaattaacg gggaagaagc ttcccagggt gaggggaatgg caagtgaac agcctggcag 420
cgagggcctg tctgacatgt taacagataa gtgaggagggt tgggtgtagcc agagtagaga 480
gaataagggg gaagcaggag agggatcaga gaggtagcga gaggtccac agtggtcacg 540
gcattcaagg gaggtccttg tgtgaacttg ggctctgatt ctgagacagg agccactaga 600
gggtttttta cagagaagtg acatgatgta actcacattt taacaggatc actctggatg 660
ctgtgttgag aataaactga gagaaagagt agaaccagtt 700

```

<210> 1160

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1160

```

gagggatcag agaggtagcg agaggctcca cagtgttcac ggcattcaag ggaggtcctt 60
gtgtgaactt gggctctgat tctgagacag gagccactag agggtttttt acagagaagt 120
gacatgatgt aactcacatt ttaacaggat cactctggat gctgtgttga gaataaactg 180
agagaaagag tagaaccagt taggaggcta tggcagaaat cttggcaaga gacaatggtg 240
gcttggaacca gagcagtagc atggaggatt tgctgatgga ttggaagtga gagattaaaa 300
agaatgggtt tagaacctga ctggggcagg ttaaaaagaa aggagctgaa gctgtgaact 360
aggagacaga gttggctggg agcagcagga agattcccag ttttggcctg agcaactggg 420
aggatggaat tgccattttc tgaatggaag cgtacagatg gagcatgttt tgtggggaga 480
taagggaatac ggttttggac gtaagtgtga gatgcctttt aagcacttaa gtggagaaga 540
ctgtaggcag gtggaactgt gaatctgggg agaggtccag gctggaaatg agtatttgtg 600
agttctcagc acatagtctt ttaaagctgt gacacaggat gagatcatca agagggtgga 660
tgtcaatagg gaagctgtcg gccgggtgcg gtggctcacg 700

```

<210> 1161

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1161

```

cgtaagtgtg agatgccttt taagcactta agtggagaag actgtaggca ggtggaactg 60
tgaatctggg gagaggctca ggctggaaat gagtatttgt gagttctcag cacatagttc 120
tttaaagctg tgacacagga tgagatcatc aagagggtgg atgtcaatag ggaagctgtc 180

```

```

ggccgggtgc ggtggctcac gcctgtaatc ccagcacttt gggaggccaa ggcgggtgga 240
tcacctgagg tcaggagtcc gagaccagcc tggccaacct ggtgaaacct cgtctctact 300
aaaaatacaa aaatttagctg ggtgtggtgg cagggtgcctg taaccccaga tactcaggag 360
gatgaagcag gagaatcact tgaacccagg aagcagaggt tgcagtgagc ggagattgtg 420
ccattgtact ccagcctggg tgacagagca agactctgtc tcaaaaaaaaa aaaaaaaaaa 480
agaaaagaaa agaaaagaaa agaaaaaaaa aaaccaggga agctgtgcaa ggggctgagc 540
cccattcagt agctcagcaa aagagactga aaaggactag caagtacagt aggagggaaa 600
cctggagaaa gacttctgag gaggatggca tagtccactg tgatagatca actatttaat 660
aatatgaaga cagagattta gcatcttgga gtcacagggtg 700

```

```

<210> 1162
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1162
aagaaaaaaaa aaaaccaggg aagctgtgca aggggctgag cccattcag tagctcagca 60
aaagagactg aaaaggacta gcaagtacag taggagggaa acctggagaa agacttctga 120
ggaggatggc atagtcact gtgatagatc aactatttaa taatatgaag acagagattt 180
agcatcttgg agtcacagggt gatcctggtc agggatgatt cagtggaaaca gttggagtga 240
gaatctgact acagcagggt ctaaagagag gagctgaatt tgggagctga gggatggagt 300
tggctggtga cagcaggagg gctggaagca gagggagagg gatctaacct acattggttc 360
caccttaaga gaaaacacaa agctggtact tcctcaacac ctgtacgtgg ccgctgttgt 420
tactaacact gggccagggt ctcagcttg ctgagcacca cccaggctctg gtccataaag 480
ctagctctcc acctgtttct agattcctat gaagttattt cttttttctc actgctgtgt 540
gtagccttag gataaatgcc catagcttgg ggctgctgag caagtcctca gttgcttgtt 600
gaccaagatc tggcttgggt cctttctcct aatgggaagt cagagtgagc aagggactct 660
gctcttggat agcttgcctt ctgtgcagga gataaataat 700

```

```

<210> 1163
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1163
tagattccta tgaagttatt tcctttttct cactgctgtg tgtagcctta ggataaatgc 60
ccatagcttg gggctgctga gcaagtctc agttgcttgt tgaccaagat ctggcttggg 120
tcctttctcc taatgggaag tcagagttag caagggactc tgccttggga tagcttgctt 180
tctgtgcagg agataaataa tcaccaagga aatggatatg caggcaggta acttcagatg 240
cagatgggtg ctatgaagac agtaagctgg ggtgaaacac acagagtaag tgtgggagcg 300
acctcctttc gccaggctgt gtggtcagggt gcctctctgg gaggtgacat ttaggatgac 360
acctagacag cgatgcccag cttattctcc tcaagctggc ctctcctctg ctgctcccag 420
ccttccccgt ggcttctaca atatctgcac tctgggaaca aggccaaggc cttgggccat 480
ctaagtgcaa agccaaaagg aaacaatcct cttctctcgc caatacacac catgggaact 540
ttttctccat gattacaaaa tacgtgcatt ttcactgaag gaaacttggg aatattgaaa 600
acaggagaaa acgtgtcatt ctactacca gaaataacta caattaactt tggatgcac 660
cttctagaca ttcttctatg catatatata ggtatttttt 700

```

```

<210> 1164
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1164
gaaacaatcc tcttctctcg ccaatacaca ccatgggaac tttttctcca tgattacaaa 60
atacgtgcat tttcactgaa ggaaacttgg aaatattgaa aacaggagaa aacgtgtcat 120
tctactaccc agaaataact acaattaact ttggatgcat cttcttagac attcttctat 180
gcatatatat aggtattttt tttcttattt ccttgggtta aaaatgagat catgtacatt 240
gtgttttatg atctgaattt tgactaaatc tgttataaag cactcttctc atgaaattaa 300

```

ttttcttcta	cataatgagt	ttaaatggct	gcattaaaag	tatttcatta	tatgtagatt	360
tttaccatat	tttattta	tcctaaacat	tgccattta	cattgtttcc	tatgattggt	420
actaccagca	aatgctctaa	taaacaatcc	tgtatat	tccttggaga	agggggtttg	480
ccaatctctt	atttccttgg	gttaaaacaa	aatgtcactg	cccagtggca	gtgccatggg	540
tctcatggca	gcctgaggct	gagggcatgg	gagggcagga	atgagcccca	agcctaagga	600
gccactcaga	tgccagaggc	tgatttagtc	ctatgacatg	ccaggctctg	agttttcctc	660
ccctgagggc	ctgatcagta	cgaaaacaat	aggcctctcc			700

<210> 1165

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1165

ggttaaaaca	aaatgtcact	gcccagtggc	agtgccatgg	gtctcatggc	agcctgaggc	60
tgagggcatg	ggagggcagg	aatgagcccc	aagcctaagg	agccactcag	atgccagagg	120
ctgatttagt	cctatgacat	gccaggctct	gagttttcct	cccctgaggg	cctgatcagt	180
acgaaaacaa	taggcctctc	ccataaacc	agagaaatcc	aaggggattc	cccacctcag	240
caggaagagg	gtgtcactct	ctgaccccc	aataagagacc	acctccatcc	tcccttgaaa	300
tcccctgggg	aagcttctcc	tgccctccct	ccctggggaa	aacattggca	cggtcaggcc	360
ttcaatctct	ctttggggag	gggctgccag	ggaatgctca	ggaaacagaa	ggttccatag	420
gaatagcagg	gcctgtccta	tccctgaccc	agccttttcc	ctaaatcctc	aaattcccca	480
caggggctgg	cagggacagt	ctatgctccc	cgtaagagga	tgtcctgagg	gctagttagt	540
tctagggtaa	ggtgggaggc	caccagatga	gggtttgaat	ccaggctctg	acattccagc	600
ctcgtcttgg	gcaagtgact	tcacctgtgg	aatgtgagct	acgaggaagg	aacttagatt	660
tgcggccctt	agcattcaac	aggggctcta	taaataccag			700

<210> 1166

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1166

tctatgctcc	ccgtaagagg	atgtcctgag	ggctagttag	ttctagggta	aggtgggagg	60
ccaccagatg	agggtttgaa	tccaggctct	gacattccag	cctcgtcttg	ggcaagtga	120
ttcacctgtg	gaatgtgagc	tacgaggaag	gaacttagat	ttgcggccct	tagcattcaa	180
caggggctct	ataaatacca	ggccaggcca	atgcatgac	ctgtctgagc	ctcagctgct	240
catatgtgaa	atggatgaca	cctatctcac	aggtttggtg	tagggactaa	atacaactta	300
atacagttaa	cactctactg	tttgagaaac	attagagtcc	aaagccctgg	agggtacttt	360
ccaccacgcc	ccatgctttg	tagtctcctc	tttttggcag	aactagttta	cctccacact	420
gctactacca	caccctagac	atacctctgg	tgtagtatgc	agcacattgt	gtgtgtactt	480
gtccaactcc	tccatgaagc	ttcagggcag	ttaaagacaa	gaattttgcc	tctctatcgt	540
ctgtgcctct	gaatgacact	atgaagtaag	caagggcatt	atttccattc	tacaaatgag	600
aaaactgagg	cttagaaaga	ttagatgcct	tgcccaagtc	acacagtgga	gagtaggaga	660
gcaagaccta	aacctgggtc	tcatttctgg	gcctgtgttc			700

<210> 1167

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1167

cttcagggca	gttaaagaca	agaatthttgc	ctctctatcg	tctgtgcctc	tgaatgacac	60
tatgaagttaa	gcaagggcat	tatttccatt	ctacaaatga	gaaaactgag	gcttagaaag	120
attagatgcc	ttgcccaagt	cacacagtgg	agagtaggag	agcaagacct	aaacctgggt	180
ctcattttctg	ggcctgtgtt	ctgtaaacca	aaaagaaaat	tccaaggcac	ccccagctg	240
tctgaataga	cccctcctct	cggccaaggg	cattccaaag	ttaacctgaa	aaactagttt	300
aggccatgat	gggaaggggg	agccagacat	gcctcgttat	accctcttcc	cttttggaat	360
tactgactct	ttaagactga	taagagatat	ttacagtcca	ttctctctga	agcctgctac	420

```

ctggaggcct catctgcata ataaaacctt ggtccccata gccccttata gtaaccacaga 480
cattccctttc tgttgctttc tattgataat aactctttca accaattgtc aatcagaaaa 540
atTTTTgaat ccattctatga cttgaaacca cccccactcc ccaacctagt tgtcctgcct 600
ttttggacag aaccaatgta catcttatat gcattgattg atggctatgt ctccctaaaa 660
tgtataaaaac caaattgtgg cctgaccact ttgggtacat 700

```

<210> 1168

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1168

```

ctattgataa taactctttc aaccaattgt caatcagaaa aatTTTTgaa tccatctatg 60
acttgaaacc accccactc cccaacctag ttgtcctgcc tttttggaca gaaccaatgt 120
acatcttata tgcattgatt gatggctatg tctccctaaa atgtataaaa ccaaattgtg 180
gcctgaccac tttgggtaca tgttctcagg atctcctgag ggctgtctca caggccattg 240
gttacttata tttggctcag aatagatgtc ttcaaattt ttacagtttg accgacaact 300
ctattctaga tgattctctt gcaaaaggga gttggagggt agaaggaagt gagccaattc 360
tcattgtcct gagaaaaagg caggcagagc ttcgagagga aggagggtgt tggggaggga 420
gcaggacact gcacttgct cagccccatc ctgactcccc gtggatcatc gtgcatgcag 480
cagctgtgac cccagaggc ctctagtcca gcataagctg aggcaaagg ggcccccagg 540
ttccctctac tgggtgtggag cccagccggc aaggggactg gggatcggcg gccagagtt 600
gattgtttgt gcccagcag caggatgatg gctgtagagc acctgctcag gaggttggct 660
atctccagct atggggcggg aaggctcct accagaccac 700

```

<210> 1169

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1169

```

cctctagttc agcataagct gaggcaaagg gggccccag gttccctcta ctggtgtgga 60
gccagccgg caaggggact ggggatcggc ggcccagagt tgattgttgt ggcccagca 120
gcaggatgat ggctgtagag cacctgtctc ggagttggcc tatctccagc tatggggcgg 180
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tgtgatacct gctgagggtga aggctgaatg agtgagagct cccagcctcc agcatcaggg 300
cattaggag aagaagcagc tagactcaag ccagggatgc agagggaggg aacaggcatc 360
aggtagtagg tgttttaatg tcacctacct cttattatgt tgtatgtttc tggaggatgg 420
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tgatactcag taagtacagc ttattgaagg tgtaaccaa agccagtagg caggatgaca 540
gatggcatcc gccttgcatg tctgggtcat cagggaaagg gccaatgtcc agtgtgtcct 600
gaccaggatg gttctgacaa ggacatccat agcatccaca gaggggtgctc cctccccagg 660
caacaaactc tccctccctc ctttctttct tcttccctt 700

```

<210> 1170

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1170

```

cttattgaag gtgtaaccaa aagccagtag gcaggatgac agatggcatc cgccttgcac 60
gtctgggtca tcagggaaag ggccaatgtc cagtgtgtcc tgaccaggat ggttctgaca 120
aggacatcca tagcatccac agagggtgct cctccccag gcaacaaact ctccctccct 180
cctttctttc ttccttccct tttttttgag atggagtctc acttattgcc caggctggag 240
tgcagtggca caatctcggc tcattgcaac cttcgctcc tgggttcaat tgattctctg 300
gcctcagcct cccgagtaac tgggattaca ggcattgtacc accatacctg gctaattttt 360
gtatttttag tagagatagg cttttgccac gttggccagg ctggtctcaa actcgtgacc 420
tcagttgatc tgcttgctg ggcctcccaa agtgctggga ttacaggcat gagccaccgc 480
tcccagcaca ctctcccttt cttagccaaa gagacaccac ttggaggaaa ctacctggat 540

```

```

ctaggtgctt ccctagtgac aaaaatggac tggggatgtg gtataaatcc ttgcccctgg 600
gaatctggaa gggacctatg atatgagaaa aaacaaacaa acaaacaaac agaccaatta 660
tctctttatt gagacaaaaa ctgctgcttt tgcctgaatg 700

```

```

<210> 1171
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1171
tcttagccaa agagacacca cttggaggaa actacctgga tctaggtgct tccctagtga 60
caaaaatgga ctggggatgt ggtataaatc cttgcccctg ggaatctgga agggacctat 120
gatatgagaa aaaacaaaca aacaaacaaa cagaccaatt atctctttat tgagacaaa 180
actgctgctt ttgctgaat ggtcagattg actgattcct cttccacttg ccatccccac 240
tgcattgcatg gctacaaata atcctgatgt tgcacattta aaatagtgcc ttgcttcaac 300
tgcttcagtc tatcagtgtg aactgtgtct cccctggcag gtatgctgtg ggggacagtg 360
cagggtctgt ctctgtagga ccaaactcag tatgaactta tcacctgcct gtgtgtacag 420
ctttaagctt caggtagagg gtgttataaa ccctggagta ggacttcctt agagaacagg 480
tcattacact atgtccatct attgaggccc taaattaagt ctacagaatt aggcctaaac 540
tccgcagaca gtacccaaag gtctcaggct ctggcccact ccacctgtcc atccacacct 600
ccttctcatc ttgcccttca ctcaactaac acagtgccca aaggagatg cagttgcctg 660
gacaggctgg ctttggtcta agctaggggt tcttaaagaa 700

```

```

<210> 1172
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1172
tattgaggcc ctaaattaag tctacagaat taggcctaaa ctccgcagac agtagccaaa 60
ggtctcaggc tctggccac tccacctgtc catccacacc tccttctcat cttgcccttc 120
actcacttaa cacagtggcc aaaggagat gcagttgcct ggacaggctg gctttggctt 180
aagctagggg ttcttaaaga atagtcccca gaccagcagc atcagcatca cctgggactt 240
gttagacctc ctgaattgga acctgtggga tgagactcag caaactgttt taatgagtct 300
tctaggtgat tttggttgca ctaaagtttg agaaccactg ggtgagccat tccctgagcc 360
caggttgcct ttctcagcca tttctgcct attataatct caaccacctt tcaaagttca 420
gctcaatacc atctcttttg ggaagccccc gtagtcccc aagtacttgt gaaggcctct 480
tccttgaacc gacagcttct ttgtcacccc atccccatt ctagtgaaag accttcattt 540
ctgcttctct ttgcagcatg tttttctgc tttgttttat agtaaaacttt gagcagttgt 600
taactgcctt cccacactga ttcccctcta acacacaaat gttactctgt aaaggccatg 660
tcttacttca ctcatctctt tttatttttt atttttgaaa 700

```

```

<210> 1173
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 1173
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cccaccttaa cctcccaaag tactgggatt acaggagtga gccactgcgc ctgggtgcaat 480
ttgctcattc tttgaataaa tgtccactga ggatctgctc tacatggcgg gggctgtgct 540
aggcactggg gttcagacaa aggtgcaccc ttatacttat catccaggag ccagtggggg 600
gaatggcaag gtggctggca attgcaatac tttgagtagc actgagacag aatgcttcca 660

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accacagggg gccccctcat gccccctcct gttgggaccc

700

<210> 1174

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1174

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atgtccactg aggatctgct ctacatggcg ggggctgtgc taggcactgg ggttcagaca 60
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aattgcaata ctttgagtag cactgagaca gaatgcttcc aaccacaggg ggccccctca 180
tgccccctcc tggtgggacc cacccaaaaa gtaacctctg ttctaacttc catcaccaga 240
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ccgcacccgg ccaattttat ttgtttttta acttcatata aatagaatca tacaatgtac 600
ctttcgggtg tctggcttct tcccactaca cattatctgt gcgatccatg tatgctgtta 660
tgtatagaca cagtttgttc ttttttaaga ttgctgtgtt 700

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<210> 1175

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1175

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ttcccactac acattatctg tgcgatccat gtatgctgtt atgtatagac acagtttgtt 180
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ctgtgggtat agagttgtat cttttacgtt ttaatttgct tattggctat ttatatatcc 600
acttttaaga tgttcctgtt taagactttt gcctatttgc ttttttctta tttacttaca 660
ggaattcttt ggaccttctg gatataagcc ccagtcgtct 700

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<210> 1176

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1176

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tgccaacatt tggatcatc agtcttcaat tttagtcctt cctgtgggta tagagttgta 60
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ttaagacttt tgccattttg cttttttctt atttacttac aggaattctt tggaccttct 180
ggatataagc cccagtcgtc tgtcggatat gttacagaga atatcctctc ctcttccagt 240
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tctcaccag gctggagtgc atggcatgat ctcggtcac tacaacctcc acctcccag 360
ttcaagtgat tctcctgcct cagcgtcccg ggtagctgag actacaggtg cccaccacca 420
tgcccggtc atctttgtat tttcagtaga gacgggattt caccatattg gccaggctgg 480
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tgtgagccac cgcaccacga cgcttttcca ctctttaatg gtatttttga tgaacaaaag 600
ttcataaatg ttcaatttac ccatcttttc atctatggct agtgtatcct gcttaagtaa 660
tcttagttcc aagaagtcca gttaacagaa ataacaaaaa 700

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<210> 1177
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1177
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 cccatctttt catctatggc tagtgtatcc tgcttaagta atcttagttc caagaagtcc 180
 agttaacaga aataacaaaa attactaata ttaaaaaaga caaagaagtg aaggaaaaaa 240
 ttggatgggt ggtgtgggag aaggactgca tcagatcgtg agagtgtgct cacttgactg 300
 tgctgtgcaa agcccgggcc ttgtcctgtg ttgtgggtatg gatgggagct gaacccccag 360
 gcagtgcac aaacatgccc tctgttttgt tcagatgctg cgccaggtgg tggaaagggc 420
 tctgtgggct gtagggggac cctggctcaa tggcttaaga gaaagatcac tccttttcat 480
 gtgtgttaag ctgggtctga cccccaacc ctggagactc cctttagtcc aggccctgcg 540
 cctctgtgcc agagcctgca aagacagcag tgctgacact tgtccagctg gctcaciaag 600
 gggaaattct cccctccttg agtcaccaca tagacaggag gagcttcaaa taacaagcgc 660
 tcgactccaa acgatcccta tgctcatttc acgatgctgc 700

<210> 1178
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1178
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 ggtcaccac atagacagga ggagcttcaa ataacaagcg ctcgactcca aacgatccct 180
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 ctagatccag aaactttccc catgttttcc ccagtttgag tagaacaata ccctgggagt 300
 cacaagctac atcatacaat tgacttccct aaaaaaaaaa aaaaaaaaag agatcttgga 360
 ctcaagggtta tgagtttgca gtgtcctttg cagggtcctt taaatcccc agtggcatat 420
 gaaactctgg atgtttgtga attttcctgg ggaaagggtc tatgtgtgcc atcagattcc 480
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 cctaccagat ggatgcgac tgccatccac ctccccagca taaagccagt tcataaagcc 660
 agctccagca tctctggggc agttttcttc ccatccaggg 700

<210> 1179
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1179
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 gctgggagggt gatggtagta ggcttgccaa gaggacctca acctaccaga tggatgcgat 120
 ctgccatcca cctccccagc ataaagccag ttcataaagc cagctccagc atctctgggg 180
 cagttttctt cccatccagg gtcaagctct tggcggctta gagatgcagt gtgccagtcc 240
 caacaccatg gctgtgtgtc actgcagatg aaggcatact ttttttctag gacgtgcagt 300
 gacccccactt ggcagcagac actcatttct gatatttttg tatgccagt cttgggtaaa 360
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 ccaccacttt ttccatgtgc caccctctca taagaactca gaagcccagg gtggagtcaa 480
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 ggaaaggggtc tatgtgtgcc attagattct ggaaggggtg tgtgacctca aaaaaagggt 600
 aagaccact ggaccgagtc ctcttttaaat ggaagtgcac ggatcagttt gataaaatta 660
 atttatagta atgagctatg tatcttttag taactgcact 700

<210> 1180
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1180
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 cattagattc tggagggggg gtgtgacctc aaaaaaaggg taagaccacac tggaccgagt 120
 cctcttttaa tggaggtgca tggatcagtt tgataaaatt aatttatagt aatgagctat 180
 gtatcttttag ctaactgcac ttctaaaaag acatctggga agggagaaacg cttactaaa 240
 attattatta taattattat tttttgagat ggagtattgc tcttgctgcc ccagggctgg 300
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 gtgcctcagc ctctgagta gctggaatta gaggtgcccc ccaccatgcc cagctaattt 420
 ttgtattttt agtggagaca gggtttcacc atgttgcccc ggctgggtctt taactcctga 480
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 gcacctgacc taaaattata tttctaata caaaactgag gtacagctca taactaaata 600
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 tggcttttta gaggtctctg gagcaggaac aaggggttag 700

<210> 1181
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1181
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 ccactcccat cactaaaaaa gaccaatttt tctgggtctag atggcttttt agaggctcct 180
 ggagcaggaa caaggggtta gtgactacga tgtgtcaaaa gagacatagg catttctcag 240
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 aaggacctg tttccacctc atatcagatt gtcaaattggg aagggtgtgc ctagggcaca 360
 cactccctcc cgaaaggggt gagtccccag aagacctatg tctgctccat cctgggtccc 420
 tgctctctcc tggagacaag atacagctgc ctgtatgagt agcagtctgg ggctcctcc 480
 tccctccctc tgccccacc cactcctccc tgcccgcccc catacact gggttcttcc 540
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 ttctgcaagg cctcccaggg actcccagga ctgggtcaag gcacagact gttaaataag 660
 tgggattttt tcagtgtttg tagaaactgt tgtttaaaaa 700

<210> 1182
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1182
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 gactcccagg actgggtcaa ggcacagac tgttaaataa gtgggatttt ttccagtgtt 180
 gtagaaactg ttgtttaaaa agatgtaacc atccaaactg tttatgtaac ccttggaag 240
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 gggggactgt caaaatcaga gaggttgtca cgttacagtt gtatgcttgc ataactgaat 360
 tcagtatttt gctctaattt gagaagtttc tttttattca cttttctcct tttctggtt 420
 tctcttccct tgttgtccac tgctgtgcac catacactcc tgacattttc tgagaacatc 480
 agaactattt ctctgaagtg gaggttcaaa ataggggttt ttagaatgac caaataataa 540
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 tacaagggtg aacatagctg tcttctcgcc gccagccct acacctgcag gggcctgctc 660
 tgtctctggg ttgtccgctc tggaggtagg tgtcagacca 700

<210> 1183
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1183
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caaagcctag gactagtcta ttcatactga tttccttagt ctacaagggg aaacatagct 120
gtcttctcgc cgccagcccc tacacctgca ggggcctgct ctgtctctgg gttgtccgct 180
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gcaacagaat ccacaggtcc ctattcccat acagggggaa tgcaaagttg ctgggggaca 300
atcacagtgc aaagctgaga tctgggcttc tttctagagc cattctgagg tcttcatcac 360
tcacactaac aatccaacta aaacctggct cttgtaggaa cacatcctct tctttattag 420
ggaggtctgt ctctgagtta acatagtagc agtttcgttc acagatcttt ctggcaaaaa 480
agaatccgac gagagctatg cctccaccaa aggcacagtt tgataacact ttgggggaagg 540
atgggtcata gctcctgaag aagaaagagt ctgtgataag aacctctggc ccacaggctt 600
cttcacacta cacaacttcc aaaatcccta accactgcta atagctagga ggaggatagt 660
gactgttccc aacacaaaga gatgacaaac atttgagatg 700

```

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<210> 1184
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1184
gcctccacca aaggcacagt ttgataaacac tttggggaag gatggttcat agctcctgaa 60
gaagaaagag tctgtgataa gaacctctgg ccacaggtct tcttcacact acacaacttc 120
caaaatccct aacctctgct aatagctagg aggaggatag tgactgttcc caacacaaag 180
agatgacaaa catttgagat ggtggatatg ctaattaccc tgatgtgatc actatacata 240
atatgtattg aaacatcatt atgtaccttg taaatatgta taatcattat aacacacaat 300
atgaggtccc agacaatgat aatacataat aattatacgt ttatgggata catagtgatg 360
tttcaatatg tataaattga agtggtgtga attatgtata aattttaact acattaaaaa 420
ttacagaaaa ataaatttta aaaaacaaaa caaaaaaaat tcttaactgc tgtcaagcta 480
gcactgacaa ccgaagcctc agcccagtac ctccctgctt ccacctgtgc tgaccaccct 540
aagagagaag gcagaggcac acagccctta catcttggtg gggaaaccct aggggttccct 600
ctgagggcct gacagattga aggggttgaa aatgagtgga ggggtgtggc acctcagctc 660
tagcctcctt ctgctgaggg acagtggcca aggaacatcc 700

```

```

<210> 1185
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1185
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cacagccctt acatcttggg ggggaaaccc taggggttcc tctgagggcc tgacagattg 120
aaggggttga aaatgagtgg aggggtgtgg cacctcagct ctagecctct tctgctgagg 180
gacagtggcc aaggaacatc ctcatagatc caaaggaagg tggagagtcc ctctttgtcc 240
tctccacca cctcatcccc accacgcctc gatgtcactc cctgctgtac ccaccccgga 300
aacccttagc cacttcccac aggtccactc ccagggaagt tctttaattg gtggatgtgg 360
gaaagaggaa gaggaaaaat atcatttcta ccttcccaat tccctgtatc ccatgagcct 420
ccagtctgaa aatgattacc catctgacct ggagctctca tcctaggtat cataatggct 480
cttcttttac ccataaggag aatgggtaat gaagaaatgc aaaatcccaa ctcatgaaaa 540
tgtggttgaa aaaggggaaga ccataaaaag ttctcatttg ttgaccagag acaataaagt 600
gattacttaa aaaaaaaaaa acccacctct ggggtcttcc caaatcatgg agaaaaataa 660
aaacagggga agacatgctc tagtcttaaa actccaatgt 700

```

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<210> 1186
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1186
gaatgggtaa tgaagaaatg caaaatccca actcatgaaa atgtgggttga aaaagggag 60

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```

accataaaaa gttctcattt gttgaccaga gacaataaag tgattactta aaaaaaaaaa 120
aaccacctc tggggtcttt ccaaatcatg gagaaaaata aaaacagggg aagacatgct 180
ctagtcttaa aactccaatg tggccccaga ctggtgagcc ccaacaacag taaataacca 240
ccctcagcag ccttctgccc acctcaccoc accaatacta ggtcccagac aagtcaacaa 300
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ggtataactg ggaaggagtg gcattccagg cagaaagaac tgagttagca aaggtcaggg 660
ttggggttgg tatgggcagt tgggtgtatg tgatacggcg 700

```

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<210> 1187
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1187
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atttttaagt tgggccttga aagcacatta ggattttgct ggggtataact ggggaaggagt 120
ggcattccag gcagaaagaa ctgagttagc aaaggctcagg gttgggggtg gtatgggcag 180
ttggttgtat gtgatacggc gtgtagttag gccagtgttg ccagaacacg gggtcagaga 240
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cacaccattc aagtcagacc atgttgccctc ctgggtggcc cccagccaat gacagaacat 420
ggcaggggtg ctggggcctg tccatttctg cccaaagtgc gactcttctc ctgggcaatc 480
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tgctctttca acagaattat cctccctctc cttgcgtccc agagttagat ctggactgca 600
gtctgaaagc tgtcttttct ctcgctactt ctgctccttt ctcctttatc tttcataggg 660
attagctctt cttaccccca ataaatcttc tgcacttttc 700

```

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<210> 1188
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1188
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tccttccctc tcttgctgcc cagagttaga tctggactgc agtctgaaag ctgtcttttc 120
tctccgtact tctgctcctt tctcctttat ctttcatagg cattagctct tcttaccctc 180
aataaatctt ctgcactttt cattctgttt tgggtgtctg tcccagagg actccaactg 240
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agagccgggg ggtgggggaga caggggaagc acaggcaatg aaaagaccat ttaaaaggac 420
actgcaactga ttggtacaag gtttcaacaa ggggcaactg gaagtatata caacttacta 480
tgtatatacc ctttaactca acagtctcaa ttgtagaaat ctattttata gaaacactag 540
cacaaatgca taaaagtata aaaatgagga tgtagtggcc tataaatatt atcaggacat 600
tgaaaaactt tgtggtcatc tgtaggggag gagatgaact agcagtacat ctacgtggtg 660
gaatacatac caagcagcct ttaaaaagaa gacagcaggt 700

```

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<210> 1189
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1189
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aaaaatgagg atgtagtggc ctataaatat tatcaggaca ttgaaaaact ttgtggtcat 120
ctgtagggga ggagatgaac tagcagtaca tctacgtggt ggaatacata ccaagcagcc 180

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tttaaaaaga agacagcagg tctctatgta ctgtcataga gaaatataca caatagactg 240
ctatttgtaa aaagccgggt gctagccggg agtggtggct cacgcctgta atcccagcac 300
tttgggagac tgaggcgggt ggatcacctg aggtcaggag tttgagacca gcctggccaa 360
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ctgtaatccc agctacttgg gaggtgagg ctggagaatc gcttgaacct gggagggtga 480
ggttgcagtg agccaagatt gtgtcactgc actccagcct gggcaacaga gtgagactct 540
gtctcaaaaa aaaaaaaaaa aaaaaagcca gttgctgtac aaagtatata gcatgctccc 600
attttcatga acaaagctgt gcatacgtat atttataaag atccacattt gtttgataaa 660
ataagtctgg aaagagatat atcaactgtt gacagaggtc 700

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<210> 1190

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1190

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tgtgtcactg cactccagcc tgggcaacag agtgagactc tgtctcaaaa aaaaaaaaaa 60
aaaaaaaaagcc agttgctgta caaagtatat agcatgctcc cattttcatg acaaaagctg 120
tgcatacgtta tatttataaa gatccacatt tgtttgtata aataagtctg gaaagagata 180
tatcaactgt tgacagaggt cactcttga aggtggtagg gctttcactt tttactttct 240
atgttgtttt tattttcttt ggtgcttttc tataatatat tttctacttc ttaaaatgat 300
gaagatgggt cattttctct atcagaacac aaaattttta tttaaaaagc ttcatatcta 360
cttagaaaac catataaaaa ttctttatat tgtattttcca gagaagaaat acaaaaaatc 420
tcctagaatc gttgagaggg ctgtcagcgg cctggtctcg gtaaagagaa attagagatg 480
agttggaata gagccgaaca cagggtggtg aagacagaag ttccagaaga agccaagagt 540
gctatcttga gtagtgggca ggtgaccac agaaggcggt tgggtgggaa gtaggagtga 600
gaggggtctg tgctgaatgt gccagccttc aggaggctca ggccaggaca ggggtgataa 660
acaagaggtg acgctggctc ctgctttaga actcaggaga 700

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<210> 1191

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1191

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acagggtggt gaagacagaa gttccagaag aagccaagag tgctatcttg agtagtgggc 60
aggtgacca cagaagggcg gtgggtggga agtaggagt agaggggtct gtgctgaatg 120
tgccagcctt caggaggctc aggccaggac aggggtgtata aacaagaggt gacgctggct 180
cctgctttag aactcaggag agtatttagg cctaaacact tatgacctac aaaagattaa 240
aaacttacca acagtactca ccaatggact aaaacgctaa ttgtaaacag tgaagtcatt 300
gaaaaaccag aaaaatattg gtgaatactt atctaagggg ggaagaattt tggataaaaag 360
agcaaacagc attttaaaga aatttttagcc atattaaaaa caaacaccaa gactttaaaa 420
acagaactca taacaaaaat caaaagacaa gcaaaaacaa ggaattatat ttacagcaac 480
actgacagaa aggacatgtc cttcatatat aaaaaacata tgggtgggtg tggctcatgc 540
ctgtaatccc agcactttga gaggccagca tgggtggatc acttgaggtc aggagtttga 600
gaccagcttg ggcaacatgg tgaaaccgtg tctctactaa aatacaaaaa tttagctggg 660
catggaggct tgcgcctgta atgccagcta ctcaggaggt 700

```

<210> 1192

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1192

```

ccttcatata taaaaaacat atggttgggt gtggctcatg cctgtaatcc cagcactttg 60
agaggccagc atgggtggat cacttgaggt caggagtttg agaccagctt gggcaacatg 120
gtgaaaccgt gtctctacta aaatacaaaa atttagctgg gcatggaggc ttgcgcctgt 180
aatgccagct actcaggagg ttaaggaagg agaatcgctg gaattgagga ggcagagttt 240
gcaatgagct gagattgcac cactgcactc cagccaagga gacagagtga gacttcatat 300

```

```

aaaaaaaaa gcaaaaaaca aaacaacaac aacaacaaaa cccaaaaaac acagatgagt 360
ttgtaatcag taataaaaaat acactctcca aagaaaaaca gcaactggagc tgggcatggg 420
ggatgtgccc tgtaatccca tctactcagg gggccaaggt gggaggattg cttgagccca 480
ggagttcaag gccagcttgg gtaacacagc aagatcccat ctctataaaa aataagttag 540
ccaggatggg tgggtgcacac ttgtagttct agctactctg gaggctgagg taaaaggatt 600
gcttgagccc aggagttcga ggctgcagtg agctatgatt gtgccactgc gctccagtct 660
ggttgacaaa gcaaggccct gtctcttaaa aaaagaaaga 700

```

<210> 1193

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1193

```

ggtaacacag caagatccca tctctataaa aaataagtta gccaggatat gtggtgcaca 60
ctttagattc tagctactct ggaggctgag gtaaaaggat tgcttgagcc caggagttcg 120
aggctgcagt gagctatgat tgtgccactg cgctccagtc tggttgacaa agcaaggccc 180
tgtctcttaa aaaaagaaaag aaaaagaaaa acagcattga ttatggtatt gtgtattata 240
aacattattt tgtattgggtt agaattttgt tcagttacat aaaacagaaa acaatagtgg 300
cttaagcaag atgggattttt cttctcttct ctactgaaa aaaaaggctc agaaatgatc 360
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tcctgcccct attcctaaag tgcagctctc attctcatgt cttgtggtag ttgctagagt 480
gatagtcacc acatcctcat ttaagaaagt aggatggaga aaggagggtg aataaagggc 540
acacccccct ctgttaagga gctggcttcg aagtcccata tgacaccac ttgcatccat 600
tgtccggaac ccagccacat gatcacactt tgctgcaaaa ttgccagggg aacgtagttt 660
tcagctgggt ggaaaaggga tcagcaaaaa attggttttg 700

```

<210> 1194

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1194

```

tttaagaaag taggatggag aaaggagggt gaataaaggg cacaccccct cctgttaagg 60
agctggcttc gaagtcccat atgacaccca cttgcatcca ttgtccggaa cccagccaca 120
tgatcacact ttgctgcaaa attgccaggg gaacgtagtt ttgagctggg tggaaaaggg 180
atcagcaaaa aattggttttt gttactaaga aagagggaat ggatactgta gagcaatgag 240
cagtttctaa catacatgtg aacaaaatta tcaaaagaaa taaaaatgta aaagatttca 300
gggtcaacct taccaacagt caaatataag taaagcaggt ggccttttat ggtcttgtct 360
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tcataaggac cgactgtctt cataagaacc ttgggacaat gcacatgaac agaacagagt 480
ttcagggtaa aaatggccct ttctcccca ctagatggct caaggacca agggccactt 540
cctggctgtt ccccaaaagt ctccctccaa ctcccaagt acatcagatt ctgtaaatgc 600
tgggaagtag agaaaaattc tgtaccagg gattctctaa ctaaaactat gctaaaatta 660
aatttttaggt gtttttgaaa gttcctttaa aaaagtaata 700

```

<210> 1195

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1195

```

tttctcccca actagatggc tcaaggaccc aagggccact tcctggctgt tccccaaag 60
tctccctcca actcccaagt gacatcagat tctgtaaaatg ctgggaagta gagaaaaatt 120
ctgtaccag ggattctcta actaaactat ggctaaaatt aaatttttagg tgtttttgaa 180
agttccttta aaaaagtaat atcctcatgc aaactgaatc agcagtttca gaacttaaaa 240
aaaaaaaaag aacctctgtc gtattcttgg ggtatcacia attaaacatg aaaaccagcc 300
actaaaataa ggaccagtgt ttggatacta catgggggtg atgttaggca acctcaagtt 360
atgtcctttg gcagattcag gactttatgt gagctcccac agatggtgat gtcaatgccca 420

```

```

ccacccttca gaaggcacag agaaggaaaag tgcagaggac acggcaagtg tggattccac 480
aggcttctga agttcatagg cctatcttga atagttattg tgcctttctc aatccagacc 540
agcatcagtt acctctcacg atttatttga aagcatttac ttctagtgtt tgctcttttt 600
aaatggttgc tgattgggaa aaataccaga gtaaaactgat gtttcatgaa gtctggggga 660
gacgatcttt agggcatggg aagcaatatg atataatgac

```

```

<210> 1196
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1196
gcctatcttg aatagttatt gtgcctttct caatccagac cagcatcagt tacctctcac 60
gatttatctg aaagcattta cttctagtgt ttgctctttt taaatggttg ctgattggga 120
aaaataccag agtaaactga tgtttcatga agtctggggg agacgatctt tagggcatgg 180
gaagcaatat gatataatga cgaaacgtgc ccatgctttg gaatcagaaa cacctggatt 240
tgagacctag ctctgtgggt taccagctgt gtgttctggg acaagttatt aaacttctct 300
ggggctcagg ttcttgtct taagatgggc taatacagtg cttacctcgt tgtatcatca 360
agttgggtag gaaacagatg gtgaacttgg actgggactg ttacaaaagg tgtggggagg 420
gctcagggaa atcaagatga gacagtgaag catatggggg ctagcaacaa tggggagctg 480
ttaccacttg taacctgaag gtatgaagga agggaataaa tgggtaaggg gacccaaagg 540
aggcagctat tggaagggtg tctggcagga gctgtgggct ccagtggagg atgcagttgg 600
cctaaagcga cctgataggg acccggggga ataacttaac cacttgcctt cctcggggaa 660
ctcctgacct catcttcctg agtccttcca tctcttgcta

```

```

<210> 1197
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1197
ggtatgaagg aagggaaata atgggtaagg ggacccaaag gaggcagcta ttggaagggt 60
gtctggcagg agctgtgggc tccagtggag gatgcagttg gcctaaagcg acctgatagg 120
gacccggggg aataacttaa ccacttgccc tcctcgggga actcctgacc tcatcttcct 180
gagtccttcc atctcttgct aatgtcctcc atggaccaa tctaactaga atccagaggc 240
aagatcagat agtgatgtgg ccattcagg tcagcctccc aaccagagc aggtagagag 300
gacggagagt ggatctgcag gagcaaacag aagattaatc aaaatagaga ctgtgatgag 360
gttagcataa tgcttgaac atagtaagtc cacaagtcct caacaaatgt taatttattt 420
tggaactttg actctctgtc tgctgtttt gcttattgct tacttctctg ttttcatcag 480
ctcatgtata gttgagataa cttccaaata atcaagtatt gttatctata ttggagtgtt 540
ttgaaggagt aatgagtgtg taaaaaagat aaccagatac tctggggatt agagatgaca 600
gagggaaaca gaggaagggg agtaagtaag agaaaaggat ggagaaaact gtatgttccc 660
tatgaggctg gaatgaacgc aagattatct tactttaaaa

```

```

<210> 1198
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1198
acttccaaat aatcaagtat tggtatctat attggagtgt tttgaaggag taatgagtgt 60
ataaaaaaga taaccagata ctctggggat tagagatgac agagggaaac agaggaaggg 120
gagtaagtaa gagaaaagga tggagaaaac tgtatgttcc ctatgaggct ggaatgaacg 180
caagattatc ttactttaaa atcaaatcat gcacttattg ggatgtgata acagtgcgtt 240
tgcaatttta cagcccagtg agacttgcca gaaagggtt ttgcaaggaa ggtcttctctg 300
ccctaaagga aaacctagt cttacttcca gattaataag tcttaacca tcatgcctgc 360
tcccccaaaa ccaagtagtc aaatgtgtta acctggatgt ttaaatacct gcatgttcct 420
gctgggtgct ctgggtcagg tgaatgttct attctgattt gggaaatggc tagagtgtgt 480
tggtcgtcgc ctgggatagc tcccaggtag gaaggagacc ccagagagtg gtctgaacag 540

```



```

tgactcataa actcagtgtc ctttctcca gcctttacca gctgctgact tggcccccta 600
ggaatctgtc ttcattccgc aagctattct ccagtgtctg gttcaggctc tagagcagag 660
cattccaggc tttctgtgat tcttgccac ctgttccatc 700

```

```

<210> 1199
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1199
ctcccaggta ggaagggagc cccagagagt ggtctgaaca gtgactcata aactcagtgt 60
cctttcctcc agcctttacc agctgctgac ttggcccctt aggaatctgt cttcattccg 120
caagctattc tccagtgtct gggtcaggct ctagagcaga gcattccagg ctttctgtga 180
ttcctggcca cctgttccat ctccaagacc ctccagcatc cttctctcat ttgcttacct 240
taccctccag gcctttgcac aggccactct ctgtgcctgg gacatacatt ctcttcttgg 300
ctaaccttcc gcagcctcca ggacctctca ggtgtcctct cctctgggag ccctgctgga 360
ctgcccacgg ggagttggga agcccttctg tatgtcctg ttagccctct ttgattctct 420
cactcacagc acttccacac tgtcttggtt tcttggtca tctctcccaa cacactggac 480
accccttgag aagagacttg acatattcat cttgatttta atgccatccg gcaaaattcc 540
tggcactcag agggcattgca ataaaacttt actgaatgaa ggtttagcgc gtaattcaga 600
aaataagcaa gaaagtgtca caaacaccaa agcaagttaa ccaagctata tgttctagaa 660
cattcttcct ctctctctgt cactctggct ctctctgcgc 700

```

```

<210> 1200
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1200
gacatattca tcttgatttt aatgccatcc ggcaaaattc ctggcactca gagggcatgc 60
aataaaactt tactgaatga aggttttagcg cgtaattcag aaaataagca agaaagtgtc 120
acaaacacca aagcaagtta accaagctat atgttctaga acattcttcc tctcctcctg 180
tactctggc tctcctgcgc ctacagcaga caggacagag tctgctcttt cacctgctct 240
tttctagtct tttctttcag gtatccccctg aaatgccact tcctcagagg ctatccttga 300
ctacccaatc caaagcagtc actcagtcac ttgattacac ttcagtctat ttaatttgt 360
tagagagcac ttactgctag caccaatggt ttatttctgt gttttctttc tatctccacc 420
attatgctgt agctccattt gagcagggac cttgtctggt cactactgta tgcccagcat 480
ctagtacagt gtgtggcaga gagtcaagtg ttcattaaat acttggttaa tgaatgcatg 540
ccactgttac tgcattgctga gttaatttga tgtatggctt ctatcactgc tatcagatta 600
ggtgctctag agaaactcag aaagggctga gtctccttat gacattgcag ggtgggaggg 660
ggacctcagt tcccttccta ggcctaagtg ggatatgctg 700

```

```

<210> 1201
<211> 699
<212> DNA
<213> Homo sapiens

```

```

<400> 1201
agagtcaagt gttcattaaa tacttggttaa atgaatgcat gccactgtta ctgcatgctg 60
agttaatttg atgtatggct tctatcactg ctatcagatt aggtgctcta gagaaactca 120
gaagggctga gtctccttat gacattgcag ggtgggaggg ggacctcagt tcccttcccta 180
ggcctaagtg ggatattgctg cctgcttgca gcttccttgt ggctggact tccccatgga 240
ggcagatgc tgagcaaccc cagcccatgt gtctgaaggc tctgaatacc gaaatgttcc 300
tctagctttc tgtgagagca gttggagctg cccattgcct aactgatag aggaatgtgc 360
ccagggctcc tggctggcct ggacccagc aggaggcagg cacagtggcc agcacggtga 420
ggacacatca cacttcttct ttttccata tccctatgct gagagtgcac gcagctgcct 480
ggctgggagc agaaactggc ctcaacttct ggggcctgct gggcagacaa tgcagctctc 540
tagctgtgcc acagaacagg gcaaactctt actagctgtg gactcactcc ctgcccctcc 600
cattctgca gaaattgctc taccagctca gcagagggcc aggtctggaa tctctcacct 660

```

gtccctggcc cttcctttaa gccctctggt ttactggaa

699

<210> 1202

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1202

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gcctcacttt ctggggcctg ctgggcagac aatgcagctc tctagctgtg ccacagaaca 60
gggcaaactt ttactagctg tggactcact ccctgcccct cccattcctg cagaaattgc 120
tctaccagct cagcagaggg ccagggtctg aatctctcac ctgtccctgg cccttccttt 180
aagccctctg gtttactgga aatcataaac tgtgagacac agcctttatc acaccctgaa 240
cagttcactc ttaatattta atgctggagg ctaaaacaac cagggacact ggaggcctcc 300
tgcttactct cagtactga tgtttgcacc tggtaattga ggtcaggttg cttctcttaa 360
gtcacatgat ttgcgtcaaa gcaggaaggt gtcggggcca cttgttgcaa agagaccagg 420
aggcgatccc agcaacgctg caaaccagct ttggcagcaa aggctgtgct ttcattgggag 480
ccagccctag gagtgtggag ctgggctggc agctggtaaa tgaccctctc ggggcctgaa 540
taaaccctag cttttcactc acagcaaact caggatgcct tcctccctct aaaagacctg 600
ctgaattgag tcactttcaa tcctttctgg agtaggatgg ggcattagtt aattaacaaa 660
ttaattaagc atgctaaata gtcaccacaga agatactggt 700

```

<210> 1203

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1203

```

gctgggctgg cagctggtaa atgaccctct cggggcctga ataaacccta gcttttctact 60
cacagcaaac tcaggatgcc ttctccctc taaaagacct gctgaattga gtcactttca 120
atcctttctg gagtaggatg gggcattagt taattaacaa attaatgaag catgctaaat 180
agtcaccagc aagatactgg tcacttaagg gtctccaaat cacagtatag gtcccacct 240
accagacac ctaatcttgt ttcagggttt gcttgacctc aggcatttat ctctgggttg 300
tcattggaatc tgctcagata aacagcagca caccaacctg gcccctctgc cagcctcaga 360
tccttctaag gcagtggagc tccttgggtg ccaccagcca cccgggctcc aggcagccca 420
acacacactc ccattgctgag gtctctcgca tgacctctct aggcacacag taggtgctca 480
gtaaatgctg tggcatgaag gacctcctg gagtgctga gttctcaggc ttcaaggccc 540
ctagataagc agatttctct cccctatcac catagtcacc ccagggactg cagggcaggc 600
cgaaatcagc cagtactca gctccttggg caattcagct ggccacaga ccacttcctc 660
tgctccccag cgccggatgg atgcagatct gtgagtaagg 700

```

<210> 1204

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1204

```

ggacctcctt ggagtgtctg agttctcagg cttcaaggcc cctagataag cagatttctc 60
tcccctatca ccatagtcac ccaggggact gcagggcagg ccgaaatcag ccagtactc 120
agtccttgg gcaattcagc tggcccacag accacttctt ctgctcccca gcgcgggatg 180
gatgcagatc tgtgagtaag gagccagctg caggcaagca gctcaggggc aggtgggcat 240
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acctgccatg tgccagtggg acaccacct catggtctgc gtttccagggt ttccaactaa 360
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ttccctctg tgatgttcag ctacgcctgg aaaggaggta agaaagacca gactacctga 600
tctctcaagg tcaccaaatt caaccactgt cctgtttaaa agcgggtagt acagaggcca 660
gtgtgggctc tggaatgaga catgtgaagc ccgggtctgc 700

```

<210> 1205
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1205
 agcagctttc gctgtaaagt ttctcaagaa aatcacagat attccctct gtgatgttca 60
 gctcagcctg gaaaggaggt aagaaagacc agactacctg atctctcaag gtcaccaaata 120
 tcaaccactg tcctgtttta aagcgggtag tacagaggcc agtgtgggct ctggaatgag 180
 acatgtgaag cccgggtctg ctgggtctgc tgcacggtag cagtgtagtc ttaggcatta 240
 ttgaaactct gtttctaaat ctggttatgt gaatgaaagg ggctaattta tgtaacactt 300
 ttagtatact aagccctcaa tatagtttag ctacttaact attgtcttct ttgaaggacg 360
 ctgaactaaa cagaagagaa acagggaat aaacagcatg gcaacctaca tcaacagaaa 420
 cttaattatt caccctggat aactgagtgt gtgagtgtga ctgcaaataa caatatagca 480
 aagagaagtt tgagatcttt ggctcagtca ttctagaatc ctgagtcaca gcaaatgcac 540
 agcctccatg aggctgagcc acacatgaaa gctgcttcca cccacagact ggtagaggcc 600
 actgacatgc ttaacgatga tgatgatgat aaaaatagct accacgggct accacgtgca 660
 cacacatggt aagcagttca aacaggttat tttgtttaat 700

<210> 1206
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1206
 tggctcagtc attctagaat cctgagtcac agcaaattgca cagcctccat gaggtgagc 60
 cacacatgaa agctgcttcc accacagac tggtagaggc cactgacatg cttaacgatg 120
 atgatgatga taaaaatagc taccacgggc taccacgtgc acacacatgt taagcagttc 180
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 tggacatctc ccctgtgcta tgctccctga aggaaaattc taagtgggtg tgtttctggg 420
 agaaatctac ctgtgtggtc tttaaacctt ctctgacagg agcaaggggc accactctgt 480
 atctaagacc actgggaaca gtcttcaggc aacaagggtga ccagggcagc tgcagagggt 540
 atctatgccc ctgcccccta gcgcaaaagt ctgtttctct ttccaaatgg cccgctggga 600
 gcaactatgt agggagacca tacctcctcc cacactcagt tcccaggcct gagccacaga 660
 gtccctgccac aggaggaggg acctgcctgt cctgctccct 700

<210> 1207
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1207
 agtcttcagg caacaagggt accagggcag ctgcagaggg tatctatgcc cctgccccct 60
 agcgcaaaag tctgtttctc tttccaaatg gcccgctggg agcaactatt tagggagacc 120
 atacctctc ccacactcag ttcccaggcc tgagccacag agtcctgcca caggaggagg 180
 gacctgctg tcctgtctcc tccccactcc aggttcctgg aggcctctgt gatgattccc 240
 caggaaggac tacaggatct ggcaggcagc aggtggcggt gggaggagga gagtccctgg 300
 agcacagcac tcctaacccc ctctgcctct cacagaacaa agaggggagtc atgccatgtc 360
 cctgtctccc acaaattgccc cacccagagg ggctaattgcc taggattgag ggtcttgtgt 420
 gctgaggaag tcctgtcccc caatccccta caaaagccag aaccagctac taagggggta 480
 gacacagaca gaactgtcta tattaacatt tcctcctaaa aaacaacagg aatcctgggg 540
 aaagaccact ggctggggac tccatgagcc ctggcttcta tctctggctt tatcagggtga 600
 ccacaggcaa gtcacctagc ctccatgggtc taggcctccc tgctgttgg gtgggaatca 660
 ttacatatca caatcattac agctgacctt caggagggct 700

<210> 1208
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1208
 atattaacat ttctctctaa aaaacaacag gaatcctggg gaaagaccac tggcctggga 60
 ctccatgagc cctggcttct atctctggct ttatcagggtg accacaggca agtcacctag 120
 cctccatggg ctagggccctc ctgcctgttg ggtgggaatc attacatata acaatcatta 180
 cagctgacct tcagggaggc tgtactctgg gtcaggaatt gtgttgggtg cattatcata 240
 tttattctca cagcaccctt tgcagtagct actattttca taccattct cagatgagga 300
 aactgtggaa caggctgggt aggggacatg cccaaagtga caaacttagc aaagggtggac 360
 ctggcactca gtaccacatc tgtttttcca tgcctttaac cactgtaaca tacagagccc 420
 ttttacagag atcaaggaca gaggtaaaag tgttttgaaa gcaaaaaaaaa aaaagcgggg 480
 aggatgcata aaataaacat aaatcacccc ctgccccgcc cagacataat tcagggaaga 540
 gtcctaaccc ccaagaacct tctgtggaac ttattcgcaa catcagagac ctccaacata 600
 gaaatgaccc tcaataagtc atttctttct tctctttcc cttcaggcag gaataatata 660
 actaactgaa ttatacaggg gagaccacga aggtcaagca 700

<210> 1209
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1209
 taaatcaccc cctgccccgc ccagacataa ttcagggag agtcctaacc cccaagaacc 60
 ttctgtggaa cttattcgca acatcagaga cctccaacat agaaatgacc ctcaataagt 120
 catttctttc ttctctttc ccttcaggca ggaataatat aactaactga attatacagg 180
 tgagaccacg aagggtcaagc aagggtgacc agcttaggcc cctggctggc aggttaaggag 240
 gagactgacc ccagcctcct ggctcctagg ggaggaaaca gtgatgacaa agggcccttt 300
 gcatggccaa ggtggagccc tttctaccaa agtttaaacy ttttagtata atatccaagt 360
 gcatcttttc caaccttaaa aacatattta atttccttat aaagctggtt ggcactctcc 420
 tctctctcca agctctgta ttaggcaggg tcatagttg tagacaacag aatgaacagt 480
 ggtagttca gccagaaaag ggatgatata ggaggatact ggggtgatca aaggctctct 540
 gggagggctg cagatttaga gccagtcagc caggaacgat gcctgaaaca taccttagag 600
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<210> 1210
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1210
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 ctacctttct tcaatagctg gcaagggtggc aagggtctggc cccatgcagc ctgggctctt 180
 cccactctcc tctctcccta atgcgttgcc ctactcgtg cttcccaggc aatcccacct 240
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 ctggctagct caaatgccag gttcttgac aaatgctcct ccttagagag gccttcttgg 360
 acctctaggt ctctggccct agtactctat cccctctccc tgccttctcc ttctacttca 420
 ctgctcctta acattgtgtt atacattgtc tgtctcccca actggaatgt aagtggcacc 480
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 ggaacaatta ggtgctaagt tatttgctga atattctatg aagggaatgac aaagggaatgc 600
 ataaagaact tcaaagttca actcctcgaa cttcaaaact caaatcccca actcctctg 660
 cctatgctgg acgattaggg cagtaacagg agtcaacttg 700

<210> 1211
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1211

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aactcctcga acttcaaact tcaaattccc aactcctcct gcctatgctg gacgattagg 180
gcagtaacag gagtcaactt gtgctgtgct gtcaccttgc ctggatccgc atcagccctg 240
cagctcccac tttggaggag acttgcccag ggacctacag ctctgaagct tctctgacag 300
cctctgcagc tcttggaact tatctgggct gctgctgtgc agaccatgga tgcgtagctg 360
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ccctttcacc ctataaacag ttcagcccag ggagtgaggc tgacacgcaa atgcagctat 480
gtatagactc agagtcattc aaggtcaggg ctgggtggag ccttggtcac atgcaggcca 540
acctgtgtct ggagataatg caagccagtg caggggttag cgtgtacatg gactctggag 600
tctggcgat ctaagcccca cccaccaacc tgtgaccttg gagaattatt tgaaaagaca 660
ttatttgaag agcagatgta aaatggaaat aaaagttcct 700

```

<210> 1212

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1212

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gcaagccagt gcaggggtta gcgtgtacat ggactctgga gtctggcaga tctaagcccc 120
acccaccaac ctgtgacctt ggagaattat ttgaaaagac attatttgaa aagcagatgt 180
aaaatggaaa taaaagttcc tatttaaaac agtcagttgt ccccatcca gaagcctatt 240
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tgtaatccca gcactttggg agaccgaggt gggcagctca cttgaggtca ggagttcaag 420
accagcctcg ccaacatggg gaaaccccg tctctctaaa aatacaaaaa ataggcgggc 480
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atccgggagg cggaggttgc aataagccaa gatcgacca ctgcactcca gcctgggtga 600
cagagtgaga cttcatctca aaaacaaaaa acaaacaaac aaaaaatgtg tagcacagtc 660
agccctccgt atccacaggt ccacacacag aacctgctgg 700

```

<210> 1213

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1213

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gtcccagcca ctccggaggc tgaggcatga gaattgcatg gatccgggag gcgagggttg 60
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aaaaacaaaa aacaaacaaa caaaaaatgt gtagcacagt cagccctccg tatccacagg 180
tccacacaca gaacctgctg gtatggaggg ccaaccgtgc ttcctattct tttttttttt 240
tctttgagac agagtctcac tctgtcacc aggctggagt gcagtggcac aatcttggct 300
cactgcaagc tccacctccc aggttcacgc cattctcctg cctcagcctc ctgagttagt 360
gggactacag gcacacgcca ccatgcctgg ctaatttttt gtatttttag tagagaagg 420
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atggtatcaa attcaaactc cttggcttga tagtcaaact ctcaccacga ctgaaatctg 600
gttaaccaac ctgtccaata caatctctct gcactcctcc aaataatgtt caagttggac 660
ctaagtgtct cctagtcctt ctcacacctg tgtgcctgga 700

```

<210> 1214

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1214

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tacaggcgtg agccaccgcg cccggccact tcctattcct tatggtatca aattcaaact 60

```

```

ccttggtctg atagtcaaac tctcaccacg actgaaatct ggtaaaccaa cctgtccaat 120
acaatctctc tgcactcctc caaataatgt tcaagttgga cctaagtgtc ccctagtcc 180
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gggcattcat gatgggacct gcccctgggg ctctagtatt tgggtgttaca gggaggaaca 360
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tgcttggtct gtgtgggaaa aaaaaatcat tcatctctg tctgcaacgc agacttgaca 660
agttgagaaa ctccctaata acaaacgata caaaaaaaaa 700

```

<210> 1215

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1215

```

ggtgaaaatg ccccaaagta tttcctctat tcccaaagga aaggaaaaga aagatataga 60
aattaaatta aagacaaact taaatcattc ccatttctgc atgcttggtc tgtgtgggaa 120
aaaaaaatca tttcatctct gtctgcaacg cagacttgac aagttgagaa actccctaaa 180
aaciaagcat acaaaaaaaaa aatcatacca attagtctca cttaaagggt tcaggaagga 240
aaacacagtt aaactgaaaa cgggttaactg gtgtttaaaa aaaagaaacc agcccgga 300
tggttttagg actgctgcta tcgaagtccc ttagggactg atttgcctt caatatattc 360
atagcacctg ctttcaccaa aaccagcag cccaacgcta gagctttgtg agtgagatgc 420
agagtgaac tggacatgga gctacacagc tctgaatcat gttccccaac agcaagcaac 480
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tacaacagc aaatggcatc ctgcaacccc agcttctct tctgcccgat tctctctct 600
gtccatgctc ctgcttcccc attggccccc tggccaaata cactcagaaa aaagtccatg 660
cacaagcctc cacccaaatt aattccacat tctttcaaga 700

```

<210> 1216

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1216

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ggcagtcccc tctagccact acagtgggcc atgggaagcc gtacaaacag caaatggcat 60
cctgcaaccc cagcttctcc ttctgccgca tctctctctc tgtccatgcc tctgcttccc 120
cattggccca ctggccaaat aactcagaa aaaagtccat gcacaagcct ccacccaaat 180
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cgtgaagaac acctcacact cccagcttgc cacacacttg ttgaactatt ctgggtggat 660
acctctacc tggatggcaa aggagacagg cccaagatgc 700

```

<210> 1217

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1217

```

gcctgtgcag gcagacggaa accctggggt cttaggggcc aggcattgaca gtgcagaata 60
gtccaccctg ggagtgactg gaagaaggac tgcagggtcc ccgtgaagaa cacctcacac 120
tcccagcttg ccacacactt gttgaactat tctgggtgga tacctcctac ctggatggca 180

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```

aaggagacag gcccaagatg cagaagggaa ggggaagtcac acttacaatg cagaggatgc 240
gcccttggtcc ctcatactct ctgaaacatt gcaggaataa ttctggtttc actgctattg 300
tttgttggttt ttgtaaaata accgcaaaaa tcaacaaatg gcctcaaaat tgaacacatg 360
tgattttacac caattcatat atcaaaaacac aaataatgca gaacaaatta gagaaaaact 420
ccagtcaggc tctccactca cccatggctg gtggctggca ttcaactctc cagcagccag 480
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gcccaggggtg tgctgccacc tgcaggccaa acaaggaaaa aacataagca acggccacaa 600
tcatccgcct gaagcccctc ctatatcctc aggccgctgg aagacctgga tgcccgtcgt 660
gggacaagag ccagaagcac tcacccagtg ccaacacctg 700

```

<210> 1218

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1218

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ctctgctggc catcctcagg acttgccggc gggagtgggg ggcccagggt gtgctgccac 60
ctgcaggcca aacaagggaa aaacataagc aacggccaca atcatccgcc tgaagcccct 120
cctatatcct caggccgctg gaagacctgg atgccgctcg tgggacaaga gccagaagca 180
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gcaaactctt acacaggggt gtggttacca gacactgtct taaataactt acacttggtt 360
acttatttca tcttcacaac aacgggtaaa tattttaggt ctctgccaat ttgcctgatt 420
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tcacatatga aaactctatg agagattctc agcatcttgc agacattcat tccctaaata 540
ttcattgagt gtttggtatg gacgagacac tgttctagga cctgggaaga gaggagcgaa 600
cacacaagac aaagtccctg ttctcacgaa gcttctgttc cagtgcgggg aggcaacagt 660
agaaaaggag acaaatgcc a tgcagaagaa aaagcaggga 700

```

<210> 1219

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1219

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gagagattct cagcatcttg cagacattca ttccctaaat attcattgag tgtttgttat 60
ggacgagaca ctgttctagg acctgggaag agaggagcga acacacaaga caaagtccct 120
gttctcacga agcttctggt ccagtgcggg gaggcaacag tagaaaagga gacaaatgcc 180
atgcagaaga aaaagcaggg aaaaagagat agagcacaat gacaatgctg ttaataccca 240
ttcatttatt cacttatttc caaggactta ctaacatgt catttcttgc ccacagctgc 300
atgccaggca ctatgccaga taaaattgtg ggtaagaaat agacatggtc tctgcctgta 360
tggagtactt acataagagg aacatctatt attagtcaaa taatcaccta aataaatgca 420
aagatgttaa tctgtgatag gtgtgatagc agaattgcat gtagtccttg tgagagcatc 480
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agaggtttaa ggcgggggtgc agtggtcac acctgtaatc ccagtacttt gggaggctga 660
ggcaggtgga tcatctgagg tcaggagttc gggaccaacc 700

```

<210> 1220

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1220

```

tctaagggga ggcctgaaat ggagtgtggg gaggagcaat gtgttagtcc attttgcatt 60
gctataaagg aatatctgag gctgggtaat ttataaagaa aagaggttta aggcgggggtg 120
cagtggctca cacctgtaat cccagtactt tgggaggctg aggcaggttg atcatctgag 180
gtcaggagtt cgggaccaac ctggccaaca tggtgaaacc ctgtcgctac taaaaacaca 240
aaaattagct ggtgtgggtg gtgcacgcct gtaatccag ctacttggga ggctgaggca 300

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```

gaagaattgc ttgaactgga gaggctgagg ttgcagttag ccaagatcgt gccaccgcac 360
tccagcctgg gtgacagagc gagaatccgt ctcaaaaaaa gaaaaagaaa agaaaagagg 420
tttggctcac agttctgtag actgtacaag tgtggcacca gcatctgctt ggcttctggt 480
caggcctcag gatgctcaca atcatggtga aaggtaaagg gggagctggc atgtcacatg 540
gcacaagaag gagcaagaaa ggggaggagg tgccaagcct cctttaaaca accagctctc 600
gcctgaacag agtaagaact cactcattac ctcggggagg gcaccaaacc attcatgagg 660
gatccagccc catgacccaa acacctccca ccaggcccca 700

```

<210> 1221

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1221

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aatcatggtg aaaggtaaag ggggagctgg catgtcacat ggcaacaaga ggagcaagaa 60
aggggaggag gtgccaagcc tcctttaaac aaccagctct cgctgaaca gagtaagaac 120
tactcatta cctcggggag ggcaccaaac cattcatgag ggatccagcc ccatgaccca 180
aacacctccc accaggcccc acctccaatg ctggcgatca catttcaaca tgagatttgg 240
aagagacatg catccaaacc atatcaagca gtgtccctgt caaaagcaca ccctgtgcac 300
aggctgggatc atgggtagtt ggcaggggaca ggaggcaggg tgaagctgga gaagcagtg 360
aggtgaccct tgcagacac tcccagccac aagaggagtt cgagccttaa ccctggagaa 420
ctggagcacc acacaagggg cttaggcaga ggattaatgc atttagatgt gtacttttaa 480
aagattatct atgtaggctg agtaatggcc ctgccaagaa tgtctatgtg tgaatccctg 540
gaggttgtgt gtatgttccc ctatatggca taagggacat tgcaaatgtg atcgagttaa 600
gggtcctgag aaccggagat tatccagggt ggcccaacat aatcacaagt gtccttataa 660
gaggggaggca gggggagatc tgacttcaga tgaggagcct 700

```

<210> 1222

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1222

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gagtaatggc cctgccaag atgtctatgt gtgaatccct ggaggttgtg tgtatgttcc 60
cctatatggc ataagggaca ttgcaaatgt gatcgagtta agggctcctga gaaccggaga 120
ttatccaggt gggcccaaca taatcacaag tgtccttata agagggaggc agggggagat 180
ctgacttcag ataggagacc tcagaatgat gtggcacgag aaagacttgg cttcgaagag 240
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acgattctcc tctagagcct ccagaaggaa cgcagccctg ccaaagcctt aatttcagga 360
cttctaaaag agtaaatttg tgttgtttta aggcactgat tttgtggtaa tttgttacag 420
cagcaatagg agaataggac atactagctc ctgtaaaaaa ccagactgga cgtaagggcg 480
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tgcaccacag tgggtggcgt ggggatggag aggagtgggt cagttgaagg accccagcag 600
gggaagagct gaccagtcaa aggtctcgct gcaatctggc agatgttact ggaatgccac 660
aacaggcctc tttcaggctc aggcctgggc tggctcacc 700

```

<210> 1223

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1223

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tagaggtcac tgctgtggtc caggcaagag gtgtgagagc ttgcaccaca gtggtggccg 60
tggggatgga gaggagtggg gcagttgaag gacccagca ggggaagagc tgaccagtca 120
aaggctctgc tgcaatctgg cagatgttac tggaaatgcc caacaggcct ctttcaggct 180
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caccagggct gtagaccact ccaggcgaga tgcaccattt actacttaa cctgccaacc 300
ccattcccac aaaaaagttc aagagtctcc aggaacaagc cctaagaaaag aacacgtggg 360
gaatttttac taggcaaaaag gtagcaatta tttctgcca gcattaagcc ttgcagcgaa 420

```



```

ctttttttttt ttttccgtga acagagattt tgtaattctg gaagagaggt gtccagattt 480
aaatatacac atctccaaca caggtgatag agaaccatga ttaaatctaa catctaaaaa 540
cttcatggtc agcagaaaaat gcagaaatta aagaaagact aaacaagaaa ctaggagact 600
cagcgtctac tctattcttg cttaataatc cagacctact taaaaaatgg gatcctaatt 660
tggtcctgtt taatggagct gtcaagaaga aaaagcaata 700

```

<210> 1224

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1224

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acaggtgata cagaaccatg attaaatota acatctaaaa acttcatggt cagcagaaaa 60
tgcagaaatt aaagaaagac taaacaagaa actaggagac tcagcgtcta ctctattctt 120
gcttaataat ccagacctac ttaaaaaatg ggatcctaatt ttggctcctgt ttaatggagc 180
tgtcaagaag aaaaagcaat aaaaattatt cgagagaatt ttagaaacat tctccattc 240
tactccaaaa atataaatat gcacactcca aaaccaagta ccttggactg tactgagaga 300
tgacaatgac gtcttaaccg tactatttcc ccatgatgtt gcagcaggcc acagggacct 360
aactgaattg taagaacatg aaaggaccca ggaatgcctg cagatgacaa aataccaggt 420
agtccgtgtc gtgtaggagc atgttaattt aaaaatagat atatttttct ggtgacaaaa 480
gtgacatgtc tattactgga aaacacaaac aactcctgta gtccaatgat ccagagataa 540
cccatttgga aatattttct tccagtcttt tttccccatt gatttcggca caggcgcgcg 600
cacacacaca cacacacaca cacacacaca cacactcata cttcattttt aacaaaatta 660
caatactgta tatactttta taaccagttt tatataacag 700

```

<210> 1225

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1225

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aaaacacaaa caactcctgt agtccaatga tccagagata acccatttgg aaatattttc 60
ttccagtctt ttttcccat tgatttcggc acaggcgcgc gcacacacac acacacacac 120
acacacacac acacactcat acttcatttt taacaaaatt acaatactgt atatactttt 180
ataaccagtt ttatataaca gtatataatc ctccatgtat taaatacagt ttttcataat 240
gctagtattc catcatatga aagtaggaaa atcacttaac caatccctaa ttgctgaaca 300
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ggaatatccc tagatataaa tctatgtcta tagctctgat tatttcctta gggctctatt 420
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ttaacatttc tctttacatc aactcatttc tgtccttaaa caaatgtatt ttaaaagcaa 540
acctgactcg gtgtagtggc tcacacctgt aatcctagca ctttgggaaa acaaggcagg 600
cggattgcct gagctcaaga gttcaagacc agcctgggca acatggcgaa acccgtctg 660
tactaaaaat acaaaaaatc agccgggtgt ggtggtgcgt 700

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<210> 1226

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1226

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caactcattt ctgtccttaa acaaatgtat tttaaaagca aacctgactc ggtgtagtgg 60
ctcacacctg taatcctagc actttgggaa aacaaggcag gcggattgcc tgagctcaag 120
agttcaagac cagcctgggc aacatggcga aaccccgctc gtactaaaaa tacaaaaaat 180
cagccgggtg tgggtggtgc tgcctgtagt cccagctact caagaggctg aggcacaaga 240
atcgcttgaa cctatgaagc agaagttgca gtgagccaag atcatgccac tgcactctag 300
cctggacaac aggacaagac tctgtctcaa aaaacaaaca aacaaacaaa caaaccttat 360
ttaagtggaa aaccaacatc atatgccata aatgaaggca atcataatag gttttattgg 420
aataaaaaaa cactgtggtt aaaatatagt caaaatactg ctaccccttt gccattctt 480
ttatataaaa tgggagatta gagaggctta gagaggtgtt aaaggtatgc tagcaccaag 540

```

```

ctaaagtttt tcaccttccg ttgatcagaa gactgaaaag gaattgagca tgggaataac 600
tttctcactg tgagtcagtg ttagacaatg tggcaaatgt gtcccaacta gaattaccct 660
gcgccacctg aaataacctc atatgaaaaac atgccttagg              700

```

```

<210> 1227
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1227
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gttgatcaga agactgaaaa ggaattgagc atgggaataa ctttctcact gtgagtcagt 120
gttagacaat gtggcaaatg tgtcccaact agaattaccc tgcgccacct gaaataacct 180
catatgaaaa catgccttag gacatattcc tggaagtaga actgggataa aaggcatgga 240
cactttaagc agcttctgat aaccacagcc caaacaccat ccaagttagt tttaccacag 300
ttttactatg actgtgtcca ttttacttca cgttcacaaa tattaagtac tataaacaaa 360
atattaaaaat agttaaaacg tttcagcttt ttgatgtaaa atatccagca gctgaatctt 420
caaaggctat tttcatgctc ttctagctag tccctgaccc tagggcaggg ctattttatg 480
aacctttaat tagtggttaag cttacaacaa actgatactg cacttggttt caccaagctg 540
aagtaaacct tgtaaaagat gaggaagtga ctttagcatt tgcaaatatt tcagaatgcc 600
tttgtgccag caaagggtcaa acaacgatca gaattgcatg gattccaaag tatacttttg 660
ggaaataaga gactcagaga agcattactc aagatacaat              700

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<210> 1228
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1228
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tgaggaaagt acttttagcat ttgcaaatat ttcagaatgc ctttgtgcca gcaaagggtca 120
aacaacgata agaattgcat ggattccaaa gtatactttt gggaaataag agactcagag 180
aagcattact caagatacaa ttcactatga attttcagca attcaatgaa aagtctaaaa 240
gaaatacatg tttaaacttt cctatcctgg tataatatgc aattgcacaa ataggttaga 300
ttgtagatta atgcaattgt taatatttct aacatagaaa aaggaaattg tattttgaag 360
caagaagaat taataacaat tggaattggt caggttattt taataattcc caggcagata 420
cctatgtgta tatgtgcctg tggggaaaag gtaaggaaaa agagacgtga gaaaacatac 480
ttatgtaatt ccagcacttt gggaggctga ggcggtgga tcactagggtc aagagattga 540
gaccatcctg gccaacatgg tgaaaccccg tctctgctaa aaatacaaaa attagctggg 600
catggtggga cctgtagtcc cagctactcg ggaggctgag acagggtgaag tgcttgagcc 660
cgggagggtg aggttgcaga gagctgagat tgtaccactg              700

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<210> 1229
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1229
tgggaggctg aggcgggtgg atcactaggt caagagattg agaccatcct ggccaacatg 60
gtgaaacccc gtctctgcta aaaatacaaa aattagctgg gcatgggtggg acctgtagtc 120
ccagctactc gggaggctga gacagggtgaa gtgcttgagc ccgggagggtg gaggttgagc 180
agagctgaga ttgtaccact gcactccagc ctgggtgaca gagcgagact ccatctcaaa 240
aacaataaca aaacaaaaaa ataaaaaaaa agatttatta tgtttggaag gaggttatag 300
gttctgatta atttttgcca gagacaaaaa tacaagttta tctaagctta agaactaaat 360
gatggcctat tgtaagatat agaacttcca actcactgaa taaaaagaag gaaagaagaa 420
acaggggaca aatacacttt gatgaatcca tagagtcaca aggaaaaaaa aaacacacat 480
gataaataca tggcaaaaaca agatggcaaa aataagacca catttatcag tgatcaaaat 540
aaatatgaat gaattaaatt ccattgttaa aagaccaaga ctttcaccct aaatgccccat 600
aaatggaaaa tggataaatt atggtatgta ttccatttta atggatgtgt atgtgtgtgt 660

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atgtatgtgt atgtgtgtgt atacaccaca gaaagaggcc

700

<210> 1230

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1230

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aagatggcaa aaataagacc acatttatca gtgatcaaaa taaatatgaa tgaattaaat 60
tccattgtta aaagaccaag actttcaccc taaatgcccc taaatggaaa atggataaat 120
tatggtatgt attccatttt aatggatgtg tatgtgtgtg tatgtatgtg tatgtgtgtg 180
tatacaccac agaaagagggc ccatgagttt cagtttagaa agatgtagaa atatatttgt 240
ataagcatag gaaaggggtcc agaaaaacac accaatatga tatctgtggt tgcctataaa 300
gagcagttta cctatgagtt tcagtttaga aagttgtaga aaaatatttg tataagcata 360
ggaaaggggc cagaaaaaca caccaatatg atatctgtgg ttgcctatgg aggctgaagt 420
ggactttcct gtctcacttt acaaatgtct atactgtttg aatttattac aaaagcatat 480
gactaaagaa acatgaaaaa atggaataat aaacataagg gcagaatcag caaaatagag 540
gacatagagg accaaaaaaa aggtgggttaa caaaacttga agtattttatt tgaaagtaga 600
caaacctcta gtgagactga tcaagaataa ctgacagaag atttttttaa aatgagatta 660
cagaaaaagg aagaaatgac aaataaaaca gacattttta 700

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<210> 1231

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1231

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aattggaataa taaacataag ggcagaatca gcaaaataga ggacatagag gaccaaaaaa 60
aaggtgggtta acaaaacttg aagtatttat ttgaaagtag acaaacctct agtgagactg 120
atcaagaata actgacagaa gattttttta aaatgagatt acagaaaaag gaagaaatga 180
caaataaaac agacatttta aaacttataa aggaataata taaacacatg ataatacatt 240
tgaaaatata gatgaaatga ataatttcta gacaataaaa attgccaaat ttggcacaaa 300
aatgtgaata accacttaag agactcaa atttttgaaa cctcttcccc atagagtttc 360
agaccagaa gatttttaca gtgcctccta ctaacttcca aggagcagaa aatctctatc 420
ttaattggagt tgcttttaga aatagaaaaa aagagaaaaa attgccaat ttgttacttg 480
attttgaatg gtttaaactg gactgtacaa ataaagaaaa atacaggata gtttacttta 540
taaacataga tgttaaactc ctaaataaaa tattatctaa tcaaatacga aagtgtatta 600
caaatacatc atgataaagt aattcaccac attagtcgat tgtggaagag gttactagt 660
ctcaccagtc tctcgttctt ttctctctgg gaacaccacc 700

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<210> 1232

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1232

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ggactgtaca aataaagaaa aatacaggat agtttcactt ataaacatag atgttaaact 60
cctaaataaa atattatcta atcaaatacg aaagtgtatt acaaatacat catgataaag 120
taattcacca cattagtcga ttgtggaaga ggttactagt gctcaccagt ctctcgttct 180
tttctctctg ggaacaccac caggctacat ttcccagcca ccttacaatt aggtgagacc 240
catgagacta gtccatgcca atggaatgtg aatggaagtg catctaattt tctggctcat 300
gaaaacagca gcattttctc tatttttctt ttttcttctt ttgttttttt tagacggagt 360
ttagctcttg ttgcccaggc tggagtgcag tggcgcgatc ttggctcact gcaacctccg 420
cctccccggg tcaagcaatt ctctacctc agcctccaa gtagctggga ttacaggcat 480
gtgccacaat gcctggctaa ttttgtatct ttagtagaga cggggtttct ccatgtttgt 540
caggctgggc tcaaaactcc gacctcaggt aatcagcccg cctcggcctc ctgaagtgtc 600
gggattacag gcgtgagcca ccgtgcccg caagagcagc attttctaaa agcaatcagt 660
actcaacacc atcctgctga ggtagggcag cggcggactc 700

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<210> 1233
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1233
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 cgacctcagg taatcagccc gcctcggcct cctgaagtgc tgggattaca ggcgtgagcc 120
 accgtgcccc gcaagagcag cattttctaa aagcaatcag tactcaacac catcctgctg 180
 aggtagggca gcggcggact ccatgttttg aaacttagga acttagacca tcttttgtca 240
 aattcagatg gttttctcaa agtaaagatc attcaagttt tgtttcagta atgggcccga 300
 tgatcagatc tgtgtgatta ggctgaattc attattattg agacaaaaat tgagttaaag 360
 gggattcttg gtattggcct gcaaaacctg tcataactta aatgtaaagt ttctgatgat 420
 ttagtcactt tactctcagc tcttagctct ttcactcacc tgtccttgtt ctacacaacc 480
 tgcctgatgg gtaacttgaa tacatatatt ctctcttcag gggatgggaa cgccctaagg 540
 gcaggggctg tttccacagc cctgggggtg aacccccctc ctgcatacca agaatgagtt 600
 ggctatactt gacgaagggc aaagacaagg tggcacgcat ctttcatgct tctgctggca 660
 gatgcagtgg actggaaatt tcctggtctg ggaaggactc 700

<210> 1234
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1234
 atacatatatt tctctcttca ggggatggga acgccctaag ggcaggggct gtttccacag 60
 ccctgggggtg gaacccccct cctgcatacc aagaatgagt tggctatact tgacgaaggg 120
 caaagacaag gtggcacgca tctttcatgc ttctgctggc agatgcagtg gactggaaa 180
 ttctgtgtct gggaaggact cgggtctgtga gtgcacctat ccctgacatc tatgctagcc 240
 ccgggatggg gggcccagca gagtaaggcc ctgacttcac atggacaggg ccagggcaag 300
 gggggccacat cctggcctag ttgctctcca tgcccgtgat caaggagat gagctgccag 360
 cttgctcggg caaggaacac ttggaaggca ctccaagtgc ccccagggtg accagatcta 420
 ggaaacttaa gcaactaca tgaggtatgg ggtggggccc agtgggaaaa atgagtctga 480
 caggtcagag ggagtagatt atgagctcag gttaggcatt ctgttcagca ttttacgtac 540
 accctccac ttttgatttt taccaacacc cagggaggtc ggtgctctac aaaagggaaa 600
 ggcgtgctca ggtggcccga cttgccacgg ttccagctcg accccgggct gctagcccct 660
 tggcacgctt gtctgaggcc tcccaggtct tccagcctgg 700

<210> 1235
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1235
 tatgagctca ggttaggcat tctgttcagc attttacgta caccctccca cttttgattt 60
 ttaccaacac ccaggagagt cgggtgctcta caaaaggga aggcgtgctc aggtggccc 120
 acttgccacg gttccagctc gaccccgggc tgctagcccc ttggcacgct tgtctgaggc 180
 ctcccaggte ttccagcctg gcctggaggc tcaaagccac gaaacccaag ggtgccgctt 240
 ctccaggccct ccccgcccc acggcagaac ccctgacctt gcccggtca aacgcctggc 300
 gtcggggccc cggggtccgc aaggaggagc ccgcgaggcg gccgcgaagg ggtgtgtctt 360
 acctcgccc ggcggggttg cggccccagg gccgcgctc caggctggcg gccgctgcat 420
 tctgcgcccc tcgcctgaaa cggcagctgc gccagtcctg gccacgaccg ctttcatttt 480
 cctcaacgac atcggcagga aagcgaaagc gaaaccctcc gggaggcggg accggggccc 540
 agcgcgcagt gaacgcgggg cgcgcgccgg gcgcgggccc gcagccagag gcggggggccc 600
 cgggctcggg tctgcgcgtg gcctggccc gtggcgcttc ggggtggagct gggccagccc 660
 agtgcccag agctagtccg ccacgcacac ctgcctcggc 700

<210> 1236
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 1236

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aaagcgaaag cgaaacccctc cgggaggcgg gaccggggcc gagcgcgcag tgaacgcggg 60
gcgcgcggcg ggcgcgggcc ggcagccaga ggcgggggccc ccgggctcgg gtctgcgcgt 120
ggcctggccc ggtggcgttc ggggtggagc tgggcccagcc gagtgcccga gagctagtcc 180
gccacgcaca cctgcctcgg cgggaccccg gcccgggctg ggcgggaggc tgggcaggcc 240
cgccgtaagt ggaaggcgc ccgcggcgct tcggccgacc gggacagggt cctccatctg 300
cccttcattc agcgtttact tgggcctgtg gctggcagcc ggcccgggac ctgaccgctg 360
gcggcgccctc gggctctggc ctgaggaggc agatggcagc ctgagcaact gggaccaagc 420
ctctgaggag tccccgttgg aggggacttg accatgaggt accaggcatc tcctctgggg 480
tcagcggaga acccaaaagt caatgacgtc ggtgaaatgg ggggtccctc atccgataag 540
agaaactgga acagcaagcc tatggttttg actccctggt ctaagcggtg cccatcaata 600
tctaaacatt tagagattcc aggtttcagt gtctggccgt ctcttactgt cagtgatattg 660
gggcaaaaata ttcaagtagt tagacttaat tacttcccct 700

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<210> 1237

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1237

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tcaatgacgt cggtgaaatg ggggtccctt catccgataa gagaaactgg aacagcaagc 60
ctatggtttg gactccctgg tctaagcggg gcccatcaat atctaaacat ttagagattc 120
caggtttcag tgtctggccg tctcttactg tcagtattt ggggcaaaat attcaagtag 180
ttagacttaa ttacttcccc tgtgggatgg gaataataat aatcatacct actgccagaa 240
tttttaggaat gaacaataga aggaagaaaa tacttaaaat tttctgacag cctctaagtg 300
ggttccctga gggcagcaac caagtcattt acctggatgc ttgatagaca ttctctaattg 360
gccagtccat caacttggag ctatctccat gataacaggg tagttgtcaa agtttggaca 420
atattatctg gagtttaaag actgaggaag ccctgcaatt ttttttgga ggtgtctgaa 480
acttagcctg acaattagcc cccacaatta tgccacggaa ccagggtttt gttagagtgg 540
agcatggcca caacgtttga tggacattcc tacagcgggt ttcagcgctg gccactgagg 600
tctgaaaata cttttgcaag catttctatt cacttgcttt tagaaaacat tggtaagaca 660
ccatactcca aacacagttt gccctgtctg tacgtttgtt 700

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<210> 1238

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1238

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ccccacaatt atgccacgga accagggtttt tgttagagtg gagcatggcc acaacgtttg 60
atggacattc ctacagcggg gttcagcgct ggccactgag gtctgaaaat acttttgcaa 120
gcatttctat tcaattgctt ttagaaaaca ttggtaagac accatactcc aaacacagtt 180
tgccctgtct gtacgtttgt tgcaaagcaa acataaaagt ttttgccata gagcaaacac 240
agagcagtcg gttataactg gaacaagaaa ccaaaatgag ctattaaatc tgcccagagt 300
cactttgggt tacctgtttg taatttgggc acattccctg caagatggag gccctggtct 360
gtgactgatg taggggcttg tatgtgtcct tgcaatagtt ccctcaagag cagggtgggaa 420
agtggggcag gccaaatgat gaccttagaa aaacaacagc ctgtttctct gtccagaaga 480
tgctactttt agtctgtagt atgaaggaaa aagaaaaaac aaaaaaggca agccttggag 540
cctcttcctc cttataggac aattcttgac tccaagatag caaagtagag ttaaatctgc 600
ttctgcataa aaactatgtt tgggaagatg aagatcagga aaagacagga agagatgtaa 660
gcagataagc caaatcctgg ttacctttta tagacatcac 700

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<210> 1239

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1239

tatgaaggaa	aaagaaaaaa	caaaaaaggc	aagccttgga	gcctcttcct	ccttatagga	60
caattcttga	ctccaagata	gcaaagtaga	gttaaactctg	cttctgcata	aaaactatgt	120
ttgggaagat	gaagatcagg	aaaagacagg	aagagatgta	agcagataag	ccaaatcctg	180
gttacctttt	atagacatca	cacatgtgaa	cagagagcat	caggaggtca	aggccggcct	240
gatgtttttc	atcttggcaa	cttcccaagg	tccaggtttg	gtccttgact	ttgtggggcc	300
aaaaatctcg	tctgacttcc	agtgtaccag	agtcgattag	cactgttgca	taaagtcaga	360
atgacaactg	actgatttca	ttcactatct	gctagagaag	tgctatgcta	aatgcattac	420
atgcattatt	acctcattat	ttctccctac	tatcatgtgg	tatattataa	tctatttatt	480
tttcatttgg	gagaaaaaaa	gatgaaggaa	atcccaaggt	cacatgggta	ctatgtatgt	540
tagtggcagg	gtttgaatca	aggccatctg	accccaaac	ctgaagctta	tccattcctg	600
ttagaagcaa	gactgtcggg	aacactggac	tcgaggccac	ctgatgaaca	cattctcttc	660
ttgtagccat	gcagtttgga	gccccatagt	cagaagggtg			700

<210> 1240

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1240

agatgaagga	aatcccaagg	tcacatgggt	actatgtatg	ttagtggcag	ggtttgaatc	60
aaggccatct	gaccccaaaa	cctgaagctt	atccattcct	gttagaagca	agactgtcgg	120
gaacactgga	ctcgaggcca	cctgatgaac	acattctctt	cttgtagcca	tgagtttgg	180
agcccatag	tcagaagggtg	gcttagtgag	cctaaaatca	gaatcggaag	agtgaattgt	240
ctgacttaaa	tgtttgatga	tatcaggctc	gggcaatgtg	ggatgtctct	ttccacaaca	300
cagggtcaaaa	cctataggaa	gtactgttca	ctcatccctg	ctggcctggc	cagcccttct	360
ccctagatgg	ggcctgggtg	acaccatctg	tttgtgtcaa	tgaggctctc	tgtattatgg	420
taccaggcc	gcctctctc	agatggacat	ttttagatag	agcaaggcgt	tactgagtaa	480
cattactcag	taaggtctcg	cagcccttat	ttttctttat	ggagacattt	tgtatctttg	540
ctctgattgg	cttgatttat	aatttaactt	ctaaaggaca	gctttctatc	ccaccttttg	600
gagacagctc	tgttttcctt	actatccttc	ctgatctaac	cctggaacaa	aagtttgtgc	660
agtagcaagt	tctgcaacaa	gaactttatc	caggcctgca			700

<210> 1241

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1241

gcagccctta	tttttcttta	tggagacatt	ttgtatcttt	gctctgattg	gcttgattta	60
taatttaact	tctaaaggac	agctttctat	cccacctttt	ggagacagct	ctgttttcct	120
tactatcctt	cctgatctaa	ccctggaaca	aaagtttgtg	cagtagcaag	ttctgcaaca	180
agaactttat	ccaggcctgc	actgatagtc	agtaaagaca	caaaagaagc	aaaagtccaa	240
gtccaaggcc	agtcccaaaa	gactttacta	cagaatcggg	caatggaggg	ttggggggcg	300
gggcacagct	gatgatcacg	caacccagct	gaagaatgat	ataaatggaa	tgaaagcatg	360
gtgcaagcag	catctaactt	aggagtcact	ggttaggaaa	aaaaaatacc	tgatgtgtga	420
ttcagataaa	aatgaaaaaa	ataacccttt	tagatatttc	attcaacaaa	tattctgtgg	480
caactacaaa	atgcagccac	cctgctaata	ctggggattc	agtgatgagc	aaaaataaat	540
gtggtctctg	ccctcgggaa	acacacttga	gtgaggtaat	aaagcaatca	aataattggg	600
caaatataga	atgccatcct	aaatactaca	agatgcgttt	gacgctataa	gagggaatgc	660
cagaggcaaa	actcctctaa	tgggccacct	gtactctggg			700

<210> 1242

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1242

ccctgctaata	gctggggatt	cagtgatgag	caaaaataaa	tgtgggtctct	gccctcggga	60
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aacacacttg agtgaggtaa taaagcaatc aaataattgg tcaaatatag aatgccatcc 120
taaatactac aagatgcgtt tgacgctata agaggggaatg ccagaggcaa aactcctcta 180
atgggccacc tgtactctgg ggcttctgtg cagtctggcc agcactttct cagaatggct 240
ctgcagtctg aggtctcttc tatctactcc tccatccttc cctcttctct ttcacagggg 300
tcagacctgc attacggtgt ggggctctct ctgcttactc ttgcttctgc tcctctttat 360
tcttcatagg cattttcccc aataaactct tccagggtta attccatctt ggtgtctgct 420
ctaggaggac ccaagctgac acaatgatgc ccttcattga cttggagAAC cttggaagag 480
gccccagttt tggagggctc caattctgca catgttggct taggtgtcag gtgggcaagg 540
aagctccata tctgctttcc cactcagaag ataatgcttg tgctttggta ctaagctatc 600
aaccatgtcc tctgtgggag ctagggtctg gtcttgtttt taaaatgctt gttccatgga 660
taatcagcaa ttctcagttt agatctcaat actagaacta 700

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<210> 1243
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1243
ccaattctgc acatgttggc ttaggtgtca ggtgggcaag gaagctccat atctgctttc 60
ccactcagaa gataatgctt gtgctttggg actaagctat caaccatgtc ctctgtggga 120
gctagggtct ggtcttgttt ttaaaatgct tgttccatgg ataatcagca attctcagtt 180
tagatctcaa tactagaact atttccctct agaaaagcac aacctaccaa tagcaaaaaa 240
catcccttaa ctctcttgag gaggagttaa aagtcaaaaa atcgaaagga gatgagcaat 300
tgttctgaa cagccaaagg gaaataatth tgatgtaggg gggcccttag ttttctggga 360
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ctggaatgtg atggtgtggt cttggctcac tacaatctct gcctcccagg ttcaagtgat 480
tcttctacct cagcctccca agtagctggg attacaggca cccgccacca cacctggcta 540
atthttgtat ttttagtaga gacagggttt ccttatgttg gccaaagtgg tggcgaactc 600
cagacctcag gtgatccacc cactcagcc tcccaaagtg ctgggattac aggtgtgagt 660
cactgcaccc ggccctggaag tcatctttta taagtgttcc 700

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<210> 1244
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1244
aagtagctgg gattacaggg acccgccacc acacctggct aatthtttgta ttttagtag 60
agacagggtt tcttatgtt ggccaagctg gtggcgaact ccagacctca ggtgatccac 120
ccacctcagc ctcccaaagt gctgggatta cagggtgtgag tcaactgcacc cggcctggaa 180
gtcatctttt ataagtgttc cttaaggaaa gaacttacat gtttggcagc acagatggaa 240
atctgtcatt gttggtagaa agaagctagc actccaaaag gcacttttgc tctgagctta 300
gcctccctga gcaagggtgcc cttggagagc tgggtgtcaa aggatgacct tgtcactgag 360
gttcagtcac cagcaacctg ttgtgagtga atcatctgtt tgaaggcaga gctcttcagg 420
tccaccgctg gttcttccca tgggaaggagg cttgaacaca aatcatgagt actacatgaa 480
tatttgaacg tggcactcag tcatagtcaa gtatagcatt tccctacca actgcacacc 540
ccaggagacc catatccatc tcatggtggt gtggaggctg acagtaggcg agtttacatg 600
ctttgttccc aagctgtcag gaagcccaga tactattagt ctgcttggtc taaaagaga 660
aagaagtagg tgtgggcttc atgaaggatg ttttgctgag 700

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<210> 1245
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1245
gtcatagtca agtatagcat ttccctcacc aactgcacac cccaggaggc ccatatccat 60
ctcatggtgg tgtggaggct gacagtaggc gagtttacat gctttgttcc caagctgtca 120
ggaagcccag atactattag tctgcttggt ctaaaaagag aaagaagtag gtgtgggctt 180

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catgaaggat	gttttgetga	gggctgtgtc	tctcattcaa	ggatgaatga	gtaaaagcat	240
ttgttaagtt	tttttttttt	aaaactacca	aatgtacagt	gagtgtacta	cttaagcacc	300
ttagggataa	gcctgtcttt	tccgccaaag	gtagttacaa	tttccctcat	ggaaccaagc	360
ataatatgat	aaggactaat	tatttgtaga	gtcaataatt	acattataat	ttacacgcat	420
gatctaattt	aatctttata	gaaacctgat	ataggtaagg	aattttacag	ttgaggaaac	480
agtctcagga	aagttaagtg	acttccccaa	agttatagag	ctagtaagtg	aagacatcta	540
cttttggacc	atatacttta	tctactctgg	atctgggcac	ttagccaaag	ccatagtgcc	600
tccaagaaag	aggatgtcat	ggggtaaacc	ttgaacatga	atagaattgg	gataatcaga	660
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<210> 1246

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1246

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tgtcttggtta	aaatctattt	gtctgatatt	aatacagcca	ttcaaactct	cttttgggtta	360
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ccattttgct	atttgttttc	tatgtctttt	atcttttttg	ctcctcaatt	ccttcattac	600
tgctttcttt	tgtgttaaat	ccatattttc	taggataatt	ctaaatctgt	atctttttta	660
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<210> 1247

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1247

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ccctttatat	tatattttcca	caaattacat	ctttacacat	tgtatgcccc	tcaacctaaa	360
tttttaatta	ttgcttttatg	cagttgtctt	ttaaaattat	gtaggaaaag	agagggttagg	420
aaaaaaatta	atactgccct	ttatattttac	ttaggtagct	acctctcccc	atgttcatta	480
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ggctggagtg	cagtggcaca	atctcagctc	actgcaacct	ctgcctccca	agttccagtg	660
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<210> 1248

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1248

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aatctcagct	cactgcaacc	tctgcctccc	aagttccagt	gattctcgtg	cctcagcctc	180
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cccaccttgg cctcccaaag tgctgggatt acaggcatga gccactgtgc ctggcccttt 360
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<210> 1249

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1249

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tgagcagtga tgatgagcat tttttcatgt gtctattggg tgcataaatg tcttcttttg 660
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<210> 1250

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1250

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<210> 1251

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1251

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ttaacgtcta agtctttaat ccatcttgaa ttaatttttg tataaggtgt aaggaaggga 360
tccaatttca gctttctaca tatggctagc cagttttccc agcaccattt attaaatagg 420

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gttttcgtac cagtgccatg ctgttttggt tactgtagcc ttgtaatata gcttgaattc 600
agacagcgtg atgcctccag ctttgttctt tttgcttagg attgtcttgg ctatgcggggc 660
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<210> 1252

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1252

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<210> 1253

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1253

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<210> 1254

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1254

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attgtgtcta tttgattatt ctctcttttt ttctttatta gtcttgctgg cagtctatca 600
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<210> 1255
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1255
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acgtgttcaa ttttagaata agtgtgatgt ggtgctgagc agaatgtata ttctgttgat 660
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<210> 1256
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1256
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acagcacact gatgggtctt gactctttat ccaatttgcc agtctgtgtt ttgtaattgg 660
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<210> 1257
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1257
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700

<210> 1258

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1258

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ctgggttaga	acatgctcct	ttagctcagg	gggtttgtta	ttaccacct	tctgaaggct	660
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<210> 1259

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1259

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<210> 1260

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1260

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<210> 1261
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1261
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<210> 1262
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1262
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<210> 1263
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1263
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 ccagtgcatt gcatcaagcc tctatcagcc taaaagccct ttaggaaaag aattaaaaga 180
 caaaccccca gaagaaagtt ctattgtgct atttactacc tggcagggaa taggggtctt 240
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 acaacagcct tatggaatcc atgagaatgt tcagggaacc ctgacagaga taagaattag 360
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 tttctgtggg tatgtgtgtt tctagttata cacattaact gaacacctca tcaactacca 540
 actctgcccc tgtggctaca gtttgtgtat gcctctctcc tggagcagag gagatccttg 600
 gtctgataac acactcagtc ttcccaaagt catggctcta agggaaacaa gccacacacg 660
 aatccaacag gcttcgacag aggacttgga attccacatg 700

<210> 1264
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1264

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cttcccaaag	tcatggctct	aagggaaaca	agccacacac	gaatccaaca	ggcttcgaca	180
gaggacttgg	aattccacat	gcttgggtca	accctggaag	tgacttgggc	tcttgcctca	240
ccacatgaag	agctctaagc	attcaggtaa	ttatggtttt	tgccctcaga	aggccacaaa	300
tgactggaat	cagtggcatg	gagaataaga	gagaaaatgc	agaaactatt	cactcctgct	360
acaggacaat	gggtagacag	aactgcaatt	cagattctag	agcccctggg	aagacagtta	420
atcagtagtc	cagcacagaa	ccatgtttga	ggagagtggg	gaagccaaca	gtgttccaga	480
agacgtgctg	ccttccttct	cccccaagtt	tgatgctgct	tgttttgtta	tgcaacatgc	540
ccttgagttt	ctatccaaca	ctggagcttt	ttaccagagt	ccatccacac	cttctagccc	600
aaaatgccct	gtgcaaatg	tatatagatt	aagacacctc	ttgtgcacca	cactcaacct	660
ccaatcctct	cagcccacca	cttactccag	ccactgttgc			700

<210> 1265

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1265

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gtatatagat	taagacacct	cttgtgcacc	acactcaacc	cccaatcctc	tcagcccacc	180
acttactcca	gccactgttg	cagtgaccag	ttctgatggg	ctctggcaac	ccctacttca	240
gccctgcaat	gtattctctc	ttgctttcta	cccacgggac	agaacttatt	tgggactcat	300
gcatgtgcag	cctggaaaca	tgtggagctg	acacctgtgg	gctgccttta	caaattggatg	360
ccaacagaga	aatgcttccc	ccttttactc	aaggtagaga	tggtgttgag	atgcatttca	420
taagcttctt	ctgaagtcct	tgctggatgg	agcatccctg	cctttgggtg	tagtcaacct	480
gaaaatgcat	ctttgtattc	agcctccctc	cttcctctgt	ctcctcctgt	cctttattgc	540
tgctccctgg	aatcttgtcc	ccaaagcata	aactgcttaa	ctgcacagaa	gcacttgtct	600
cagtctctac	tttcaagggg	acccaagata	catttgtgca	agaaggctgg	ctcagcccat	660
agtcaattaa	taaagtgaag	aattctagtg	cacaagaatc			700

<210> 1266

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1266

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aacccaagat	acatttgtgc	aagaaggctg	gctcagccca	tagtcaatta	ataaagtga	180
gaattctagt	gcacaagaat	caaattcttag	tcttagagat	taatccaac	cattgctaga	240
attagcccaa	gctgatacag	agaaaaggca	gatgacagt	tggcacaggc	tcactaaatt	300
ctagaaataa	agattctagg	cagttgctga	tatttaaaaa	atcattttac	ttattaaaac	360
tttctcattt	cccaaggcac	ttcagtagct	ttcacaaaaa	catgtttggt	cttttttaac	420
caggtgaggg	atatgcttta	ggagtacat	ggtaacataa	tcagcaaaga	gaagacaatt	480
acactgaaca	caaaatatca	cccaataaag	ttacaggact	aaagtgagct	actctgaaag	540
actatgaaca	caatttaaat	ttcttttttg	taatatcctc	ccatgactaa	gtatcaagaa	600
aggaacacac	acaatgacac	tgtttttggc	acttagagaa	gtgctagagg	ctagggctgg	660
taaggccttg	caccagtggc	agctgcagac	aattgccaga			700

<210> 1267

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1267

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acccaataaa gttacaggac taaagtgagc tactctgaaa gactatgaac acaattttaa 60
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ctgttttttg cacttagaga agtgctagag gctagggctg gtaaggcctt gcaccagtgg 180
cagctgcaga caattgccag agtgattctg tgtttaaaaa aaaaaaaaaa aagacacaaa 240
ccaggaggct aaggaaccag cctttcccaa gtgcattctg aaggggcaa aacaaggaga 300
aaaggatata acaacaaaca aataaacagt aaaacaaaac ccacattaca gctttgagag 360
aaaagacaac gttgctcatc tctctcacct gataaatttc ctttaaacca tacataagac 420
gctatagtag caaggagggt tccacagcag tggaaaacaa gaatagtaga ttcaatggag 480
catttattat gagcctggac aagcccagtg ctttgatcag atgtaaaca gtctactcag 540
tcgtcatgct agtggtctt aagagctcac acatcagtc actttgctgg tgatctgcac 600
ctgctcattc tgtccatct tcattacctt tcactttccc tagctctgog ctctcctgcc 660
ctggggaagc aatgatccag ttaatgtcct ctgtaactga 700

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<210> 1268

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1268

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caagcccagt gctttgatca gatgtaaaca agtctactca gtcgtcatgc tgagtgggtct 60
taagagctca cacatcagtg cactttgctg gtgatctgca tctgctcatt ctgtccatc 120
ttcattacct ttcactttcc ctactctctg gctctcctgc cctggggaag caatgatcca 180
gttaatgtcc tctgtaactg agaaaaggta agaatacaac tccttgtagc attacttct 240
tttctcttaa agttcaccac tagaggggag tggggaaagg ggtgggggac ttagacctct 300
agccttatta ggggcctttt caagtagtct aaaattaaaa tgtacattta gcatatgctt 360
ctcacattcc tccagatctc actggttcta gtgaaaaatt aactgctttg gaggtgctga 420
gtccatcatt gtaatagtta ggacttagat gaagtgtct gtaggtagcc ccagtgtccc 480
tagaggaagg tgggtgctta gggccatatg tagcctctga gtgtgggtgc ccatccagga 540
gcaagtcaga cacagggtcaa gaggacaaac agcaaaggcc tttgtcactg aaggactcgg 600
agtctgcaca agctggccat ttctggcaag acagtctttc ctcttcagtt tctcccttac 660
tggaagcgat gttagaaggc tgtgctttta aggattgtgg 700

```

<210> 1269

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1269

```

agggccatat gtagcctctg agtgtgggtg cccatccagg agcaagtcag acacaggtca 60
agaggacaaa cagcaaaggc ctttgctact gaaggactcg gagtctgcac aagctggcca 120
tttctggcaa gacagtcttt cctcttcagt ttctccctta ctggaagcga tgttagaagg 180
ctgtgctttt aaggattgtg ggcctttctt gaccatcttt taacatcctt gtgtgacttg 240
gagtttttct gtgtttcatt ctataaaaac aagcaaaaat atgtcagtaa cacattttta 300
aaagatgcct ccagtcctcc aaacaaacaa gaactgagga tatcttcctt gggaagagaa 360
tcctgcagca gattctgaaa ggtttcttct agcctctgag ttatccagtg cggctactgc 420
catggagatg tgtatagtga catgtccaca caggaaacaga ccagagagga tgggctataa 480
gtaagcacct tgccatttac aaccctttta tggctaaact agtccatggg gtctgtgaga 540
gggagtttgc gagtagctct attgtgaggg gctcctgaga cctggccaga cccagaccca 600
gtgcatcaac actgacagag gaggtcttct taccctttga ctcttagcat ctgggtcaatg 660
gtgtctggga gtggggtacc gaagctctct gggagaaaaca 700

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<210> 1270

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1270

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caacccttta atggctaaac tagtccatgg tgtctgtgag agggagtttg cgagtagctc 60

```

```

tattgtgagg ggctcctgag acctggccag acccagaccc agtgcacaa cactgacaga 120
ggaggtcttc ttaccctttg actccttagca tctgggtcaat ggtgtctggg agtgggggtac 180
cgaagctctc tgggagaaac aaggtgagga tggctgtcag gatggtcaga cttcccatga 240
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aacctgaggt acttgccag ggatggaaat aactcttcca cctctgcaga tgtgtcccag 660
cccatgtgat ctgccttcag attaggcagg gtgcttttgc 700

```

<210> 1271

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1271

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gtacaaaggg gcggttgagc gagaagagct gggccatgct gattattcct atttctgggc 60
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gggatggaaa taactcttcc acctctgcag atgtgtccca gcccatgtga tctgccttca 180
gattaggcag ggtgcttttg cttgctttga gatctacata gcatgttcac aaagcactct 240
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aaccacaggt gctatgaaga cataattctg agaagagaaa actggagacc tgctacataa 360
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taattttacg ttcacagac ctcttgcatg gacatcttcc cctcatgtt ccttttaaac 480
tctgattcca agaaatttct ccaactaagc acactggctc cctaaaccac tctgtagggt 540
cttaggataa aggaattgta gtctctgatg gaaggcctgg gatggctaaa acagaaacaa 600
accctctaatt attctcatca atttctaggt aatctatagg ttgttttcca tttgaaagtg 660
agggccagtg cactgggaca agaacccttc ccggccaaag 700

```

<210> 1272

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1272

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tccaactaag cacactggct ccctaaacca ctctgtaggt tcttaggata aaggaattgt 60
agtctctgat ggaaggcctg ggatggctaa aacagaaaca aaccctctaa tattctcatc 120
aatctctagg taatctatag gttgttttcc atttgaaagt gagggccagt gactggggac 180
aagaaccctt cccggccaaa gatccagtac tggatggagc ccatgtactg tatgaacttg 240
tttctctgtt aacacgcaac ctccagctca cattcaagcc agttagtact tccatcccgt 300
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gatacagctc ggctgtgtac acgtagacca tggaaaaggc agccgtgact ccaaacttgc 480
ccaccatcac caggactgta gccaaataat acaagtctgg agaagcaaa gaaagagggg 540
aggagtaggt accaaccat ggcatgcagc tattgagagc aaaacaaaca tactttcttc 600
ccaaattttt tggggagtca gtttctatca cttcctattg tgggggaagg ggctatagcc 660
aagatttccc tccaaattga ttgctgaaag gaggctggga 700

```

<210> 1273

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1273

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agccaaataa tacaagtctg gagaagcaaa ggaaagaggg taggagtagg taccaaccca 60
tggcatgcag ctattgagag caaaacaaac atactttctt cccaaatttt ttggggagtc 120
agtttctatc acttccattt gtgggggaag gggctatagc caagatttcc ctccaaattg 180

```



```

attgctgaaa ggaggctggg acctgcagct ataaggacat gcactttcct caacctggag 240
accaccagag taagctcctt aatagtccaa tcaacctgct tcccagtcct taagtcatta 300
aagacatgtc tgtcagggat taactgtcac cccagaacct cacactgcag gcactatgga 360
attaactcat gatgtttaga tgaatggaga attcagttct aactcatttc atgctttcct 420
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agtgttctca gctgatggg cccaaaagtg accatcagag gctcccaaat ctacagggtac 660
actgaagtct ctgggcacag tgatggagag ggagagatga 700

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<210> 1274

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1274

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agagctatgt gtgacctgaa ggctactctg agctcagctg tgagcctcta catcagttct 60
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taacacagtc tgaactatat taagcatttt atttacttgt ttgttgtctg tcttctcatc 600
taggggtgtac gttccatgag ggcctggggc tctgcctggc ttgttttctt gtgtatcggt 660
atcaccgagc acagtgccca gcccatggta ggcattgccat 700

```

<210> 1275

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1275

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aaactaactc ggcattgtcc ttcatttgta ttcctagaag gtaacacagt ctgaactata 60
ttaagcattt tatttacttg tttgttgtct gtcttctcat ctagggtgta cgttccatga 120
gggcctgggg ttctgcctgg cttgttttct tgtgtatcgt tatcaccgag cacagtgcc 180
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cctcaaagcc caggccataa gtgttctagt ctcagaagac actttctatt gatttttagg 420
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gtggccatgg aatagcgccg gggcaaatat tgcagcagca gccaggccaa cacatatgct 660
gggacttcaa ccatcgctga aaggaagcag ttcacaaaga 700

```

<210> 1276

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1276

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taagagactc agtgaagacc ccaaaccata gatgcacatg gtccctacct gggggtagca 60
gctgcatgaa gagaaggaca ctgccacca ggaagagggc agtggccatg gaatagcgcc 120
ggggcaaata ttgcagcagc agccaggcca acacatatgc tgggacttca accatcgctg 180
aaaggaagca gttcacaaag atgtcccat gcaagttagg agtatcaagc gaaagcccaa 240
aatagcccac tgatatggtc atcctgaaac agagtgcaga agaaagctgg aaaagcagta 300

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tccacatctt tcccaacctg tacaactttt acaatgcaat tatttcagta aattccaaac 360
catctttaag cagagactag taaggcagca gtaactgtaa ccttgcgtct tacttcatag 420
atcaaaaagat aattttcccc agcccaagtg gtacagtgtg aacctgcgc cagtgcgctc 480
tcagagcctt ccatatagac agtgtcccag caaaaaagct tgtataattc agatagattt 540
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tcctcaaadc cagcaactgc agaaggagct agagaatgag tcaggaggca gacatcaagt 660
gaggtgtgat aggatttggg ggataagata acaaaaggaa 700

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<210> 1277

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1277

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cagtgtccca gcaaaaaagc ttgtataatt cagatagatt tacttcattg aaaagaaaaa 60
ttccaacctg cttttcagct ttaaaaatcc taagctgaac ctctcaaact ccagcaactg 120
cagaaggagc tagagaatga gtcaggaggc agacatcaag tgaggtgtga taggattttg 180
gggataagat acaaaaagga acaacattag gtcaaacact tggagagaga ccctcacaca 240
ctacctgtg tgaccagtca ggaagaggct ggtagagac agctgacacc agccccgcgg 300
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ggctacatgc tgctcctgtc ttgaggccaa ctgagggaat ggtgaactgc ctggagggat 660
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```

<210> 1278

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1278

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agagtatgtg catgagtccc caggaaatcc agagcaggga ggagagcctg ggtgaacaca 60
aaagtgggtg actcatcaca ggcttgcatt tctgtggtgc aggtacatg ctgctcctgt 120
cttgaggcca actcaggga tggtagaact cctggaggga tcttgggcca ttccttggaa 180
gcggttgact catagcactc cctcagtagg cacagtggct gactgcctca aagctggatg 240
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cgatgtgcac ttggacatgt ttctctccc tggtaattca caaatccctt tctgacatac 420
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gcctcctcag ccactgtcgg taactgggta ggagacggga actaaatgac ccaaattggg 660
caaggattca tcttaagatc tggagagatt cccacagaga 700

```

<210> 1279

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1279

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ggagcacatc ccacttccac atttccagaa agtaactggc agcctctgca gcctacagga 60
catggtgtct tactcagat cttctttaa agccctacct ggctctctca gccactgtcg 120
gtaactgggt aggagacggg aactaaatga cccaaattgg gcaaggattc atcttaagat 180
ctggagagat tccccacgag agtccatatt tcccacaaca gcctccacaa ttgttttcat 240
tctccttttc tgaggttcca tcccatatag aattgtgaca tgccattttt ttccatctaa 300
cacaagacat atccttttca ctctctgatg acataggctt tgaattttgt ctgaggcatg 360
tctgtaaaca agaggcccaa tggccacttc aagaagcttt gtctggaagc ctcaggcagg 420

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tctcttttac ataccacagc attatggaca tgatgggtgac catccggata ttccagggttc 480
gaagcagatc cagaatgttg tgggactgct gcttcttgga acttaggtct tgtaactgca 540
ggaacaacat cataagtgtg tgggaagaag aggtggtcag agactcagag cacacaataa 600
catacttgaa tccctggcat cttagctgtc tgcattctcag cgtcggggag tgttacgttt 660
ctaagaacag taagtatact gactgtgttt taggctgtga 700

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<210> 1280

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1280

```

gtgggactgc tgcttcttgg aacttaggtc ttgtaactgc aggaacaaca tcataagtgt 60
atgggaagaa gaggtggtca gagactcaga gcacacaata acatacttga atccctggca 120
tcttagctgt ctgcatctca gcgtcgggga gtgttacgtt tctaagaaca gtaagtatac 180
tgactgtgtt ttaggctgtg aaaacttccc taggccttgt cagtaacaaa tcagagttaa 240
tgaaaatgag gaaaagtaag tgaccagtcc ctcaagggtg caggaagaca gaggcccagg 300
ctgacagctt cctcactgca ccccccacata ttctgtctgg tggccacatt ccaaggaggc 360
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agttactggt gtgcttccag ggaaaaagaa ttcaaataga aaacaggaa aattgacctg 540
agcttcaccc agagtgactt cctatgaaat tcagcacagc caaggccatt aataaaccac 600
acgtctaaac aactgatgt tgctttctta agcaaaccga ggtttgagac ttgttttttc 660
agagttagaa gttcaacaaa aggtcaactt tggactgaaa 700

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<210> 1281

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1281

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gggaaaaaga attcaaatag aaaaacagga aaattgacct gagcttcacc cagagtgact 60
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ttgctttctt aagcaaaccc aggtttggag cttgtttttc cagagttaga agttcaacaa 180
aaggtcaact ttggactgaa agtatcccct gaaatagcct catttctca aagatgccag 240
tggggcttat gcatcaccac agattgaccc ctactttaa agccccaaa accacctaac 300
ttaaagccc tctgccacac tcttgctga cttttgcga caggaccctt ttctggtgca 360
tgctgacagt ggctgctggg ccaccactca ctgggaagtc tgcagggctg gcagtggcca 420
ttggcctccg ctgtctacaa taactgttcc ctcttttcca agcccaacca tgctgctc 480
tcacacttca gcagggtgc ttgtggctgt tcccacaccc aaccctcat cttccagtca 540
gaccacagac acattccaga accccaccag gcagcattta cagcttctaa cctctcatag 600
tcacgagacc aaggaaaact gcctgctaca gagatggtag gagaggggaa ggaagggaaa 660
agcaagaacc aggaactagg tagagccaag aaatgagtca 700

```

<210> 1282

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1282

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cttgtggctg ttcccacacc caaccctca tcttccagtc agaccacaga cacattccag 60
aaccacacca ggcagcattt acagcttcta acctctcata gtcacgagac caaggaaaaa 120
tgctgtctac agagatggta ggagagggaa cgggaaggaa aagcaagaac caggaactag 180
gtagagccaa gaaatgagtc atggtgtgtg agaacagggc tgacgggagg ggtggggtag 240
ggggaagagg tggacatcaa aaaggacctg actccaagat gatatgcaat aattaacat 300
tggagggcag aaagagacta aacacttttt ttttcttttt aatgaataat tgctaatact 360
caagagatga aatacttcta actccaaatc tatttgtgct ttacatttta cgtttgggg 420
tagctttgta aggtgacaag ccaccttagg tataagaaac aatgattttc ccaaagtctg 480
actttatgaa aggcctatta ctcaaaaaga gtatttattg ttagaagtaa tggttaaaaa 540

```

```

atatgattgc ctagaaagga agtaaaaaat gaaaatctga aacccgtggt gaaaagagtg 600
aggcagctgt aacctattcc tcaacttctg agtggttaaca gggcccgtgt gggggtgggg 660
agtgggggga tggggggaat gggcagttgg ggcttgggca 700

```

```

<210> 1283
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1283
actcaaaaag agtattttatt gttagaagta atgggttaaaa tatatgattg cctagaaagg 60
aagtaaaaaa tgaaaatctg aaacccgtgg tgaaaagagt gaggcagctg taacctattc 120
ctcaacttct gagtggttaac agggcccgtg tgggggtggg gagtgggggg atggggggaa 180
tgggcagttg gggcttgggc agagagaggg ctgggctgct gtgagcaggg aggacttcag 240
ggctgggtgc tgcctgctctc aaatcacggg cagtctgtcc ctctcaccca caccacatg 300
gtgcttacct cactcgggtc aaagatagtg gaaggcaca caatccatt ggctttggca 360
gccttgcgga tgatcacctc tgcctcttca aatcgccct gagagatgag ccatcggggg 420
gactcagggg tgaacctggc agtacaagg ccaatctcag tgaggcctcc ctgccaacag 480
cagaccaca gaccaggtag agcacagcca taggtgggaa taaggttgca gaaccagagc 540
ttgtggaatg tttggtgatc acaagccaga agcaaagagc tgatccacac gcagcaataa 600
cctgggggtg atgagcttat gtgtaccca caccgcaca aaatgggaga gccctgcacc 660
ccctgacggc atccccatgc tggctggcca cctccatttc 700

```

```

<210> 1284
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1284
gagcacagcc atagggtggga ataagggttc agaaccagag cttgtggaat gtttgggtgat 60
cacaagccag aagcaaagag ctgatccaca cgcagcaata acctgggggt gatgagctta 120
tgtgtacccc acaccgcaca aaaatgggag agccctgcac cccctgacgg catccccatg 180
ctggctggcc acctccattt ctgaagagca gtgttgccat ctgctgggct gaggagatgg 240
gtgcaagatg ggctccggaa gcctggcttc tgtgcatgtc tatgtcagcc caggccctgc 300
tacactctcc tccctgtccc cggcaccaac agaagcttct gcaactggcct tttagcttct 360
cttctctcct caccctaccc ctgatttata caacagatta gtcagatact ctacctaaaa 420
tagcatgttt ggccaggtgc agtggttcac tcctataatc ccagcacttt aggaggccaa 480
ggccggtgga tcatattgagg ctaggagttc cagaccagcc tggccaacgc agtgaaaccc 540
gtctctccaa agaaatacaa aaaaaattag ccaagtgcgg tggcaggcac ctgtagtccc 600
agctactcgg gaggtcgaga catgagaatc gcttgaactg gggaggcgga ggttgcagta 660
agtggaaatc acgccactgc actacagcct gggcaacaga 700

```

```

<210> 1285
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1285
gctaggagtt ccagaccagc ctggccaacg cagtgaaacc cgtctctcca aagaaataca 60
aaaaaatta gccagtgcg gtggcaggca cctgtagtcc cagctactcg ggaggctgag 120
acatgagaat cgcttgaact ggggagggcg aggttgacgt aagtggaaat cagccactg 180
cactacagcc tgggcaacag agactttgtc tgagaaaaaa aaaagaaaaa aaaagaaaaa 240
gaaaagaaaa aaaggaaaaa aattagcatg tttatcaagg cacttgagtg ctctatggat 300
attattttcc accttgctgg gaccaggtag ccgcccccca ccctcggtca tgactgggccc 360
ccatgatgtg cggttactc tcccactatg ccctgaaatg ctctctgctc cacttgggct 420
ggtagcttca cttctccac ctgcaagggg tgattccac cttagcacct ctgcagtgtt 480
cccctcttgg tctggaatgg cctcttctct gcctgttcaa ctctctacc ttggtgggtg 540
agaaggagcc tggcttcctc catgtggcta ccctgaggac tcttgctttt ggtgccagtg 600
cctgtggcat gaggttccag cagcacacag ccagaactag ggcctacact gtctctgcct 660

```

gaggcttggg aacttctac agggcatgct ggaccccatc

700

<210> 1286

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1286

```

gcctcttctc tgcctgttca actcctctac cttggtggtg cagaaggagc ctggcttctc 60
ccatgtggct accctgagga ctcttgcttt tgggtgccagt gcctgtggca tgaggcttca 120
gcagcacaca gccagaacta gggcctacac tgtcctgccc tgaggcttgg gaacttccta 180
cagggcatgc tggaccccat cttctcacag ctactgctat ttttcccccac acttggggca 240
accagcacaca gggctgagag caagtctggt gctgtcatgg gattctgttt tgttttggct 300
cttttgagtg tggagaaaac attctgaaat aatttataat ctatgcttcc tgtctctggg 360
agacaaaata gggattcatg ggttgttgct gccctctagt gaaggccaga cagaaatcat 420
cctgccagtg ggcacatggg gcacagggtc acactcacca ccagagtgcc acgcacagca 480
cccccgcat cgtcagcgcc accagcagca tccgccagtc tcggatgaag taagcaaaca 540
gtggcagcac catgtagcca aatgcataaa atatgcacac tcctaacgta gagaatatta 600
tacgaactga cttgccaaaga atttctgtcc ctgttcaaaa caaggagggt cgagtttagca 660
gtttaatttg ggttccttcc ttattaattt tttatggtat 700

```

<210> 1287

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1287

```

caccagcagc atccgccagt ctcggatgaa gtaagcaaac agtggcagca ccatgtagcc 60
aatgcataaa aatatgcaca ctctaactg agagaatatt atacgaactg acttgccaag 120
aattttctgtc cctgttcaaaa acaaggagg tgcagttagc agtttaattt gggttccttc 180
cttattaatt ttttatggta tctttgtgaa tacacagaca agaaaacagc gagaactctc 240
tctaagttca tggcgctagg gagcggatgg cgttctgaac ccctcctgtc tgactgtctc 300
ctgggggtac atccctgtgg cctctcaggc cccaagcaa cagttctctc ttgaaaattt 360
cgccatgttc tgaagccatg tgctaaagat gccatggtag gcccccttta atcctcacat 420
gaggaagaat ttattaaaag tgaagtcatt actaagtcag cacatgctga cttaagcctc 480
aaggaaagaa tattaaatat aaaaagaaaa aacaaccctt tcaacaatac aacccaagga 540
actcaaaggc cttatcagct agagtcaggt tcctccaaac acaggccggc ctggcagctt 600
ctcagtgaca acaggctggc acatttgaga caaagccctg cagtgtgcac tctgaattaa 660
aaccctgaag gtgacgaaag ccccttcta tcaatttatt 700

```

<210> 1288

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1288

```

taaaaagaaa aaacaaccct ttcaacaata caaccaagg aactcaaagg cttatcagc 60
tagagtcagg ttcttccaaa cacaggccgg cctggcagct tctcagtgac aacaggctgg 120
cacatttgag acaaagccct gcagtgtgca ctctgaatta aaaccctgaa ggtgacgaaa 180
gcccccttct atcaatttat tcttgtccgt agatatcacc agccacagtg ctctgcagac 240
aaggggttct ctaccttagc aagcttgcca gtcacagccc ctctcctcc aaccatgccg 300
ccctctttct ggggtggct cagccctgtg cagtggcagg ccctttttgt aaatggagga 360
tctctggtga gtcctagtaa attgactacc aagtactaag accaaggagc cacagcccag 420
aggccagaaa agaactggaa atcagaagtc aggccattgt gctgctgggg accccaggct 480
ggtctcatgt ctggctcagt ttccctgcct gtaagtaagg ttcaccagga agctctggct 540
agttttgtta gaaaccctgt ccccttgag ggacatcaca gctgtctcca gaaaggtagg 600
tgatgggatg atgggtgaaat acaggatcaa gtactcaact ccaacctgat ggccataccc 660
aggacaaatg ctgccacata gttggagatc tggcccatgc 700

```

<210> 1289
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1289
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 tcccccttga gggacatcac agctgtctcc agaaaggtag gtgatgggat gatggtgaaa 120
 tacaggatca agtactcaac tccaacctga tggccatacc caggacaaat gctgccacat 180
 agttggagat ctggcccatg cctacaagga caaacagcac gacaaacatc tcaaaattct 240
 tcgagaagat ctgcaggaag ctgaagcctg tctgcatgcc catggtcacg aacagcacat 300
 tcttccggcc aaacctggga agaaaaggag agtgacagat aaccagctgg aaaagggcag 360
 caggaatggg ctccaccaag tggggctttc tcaagatcca tccagtaagt ggggtgtgaac 420
 agtgttgcca gaatactggc tgccaggac agtctcggtc tcacagtgcc catgctattt 480
 ctccccctcc ccactcccca tgacaaatgt acagcctggg taccaggggt gcctaaaaag 540
 caatgctaca attatgataa tgattgcaag agactgaaat acatcaatta tttaatccat 600
 acattcataa tgatattttt tttaaaaaag aatctgccaa atttggagaa taacagagaa 660
 acaattcatt ataaatgaaa actggcaaat aaagagaaag 700

<210> 1290
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1290
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 atgattgcaa gagactgaaa tacatcaatt atttaatacca tacattcata atgatatttt 120
 ttttaaaaaa gaatctgcca aatttggaga ataacagaga aacaattcat tataaatgaa 180
 aactggcaaa taaagagaaa gaagcatttg tcttgatttt cctttgtaaa ctatgtgaac 240
 agcaaccaat aatagataag aggtagtatc atgtacaaaa gtattctaac ttttaaatga 300
 aaaggtaata aaattagaat aataccattt atagccccc aatggattaat agatctatgc 360
 attatatact aattactggt aacatcataa agagacagtc aggaattgca tgcttccat 420
 ggtcttgcca aaaggactga acctgaatca gaacctgaat ctcaagtctc tggatccaac 480
 tgccaatttt gaggaaatgc agagcataga ggaatgtgct gaactgcac atcagtgtgc 540
 aatcaacaaa tccagactgg gaaattctat aggtggaata gctcaggttc ttcatagata 600
 atcagtaagg catagaaggc gatagaagga gaatccatag attaagtaga ctaaaagaca 660
 tcaaatatat taagtgggca acactaaatt tgtgtcaagg 700

<210> 1291
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1291
 cagagcatag aggaatgtgc tgaactgcat catcagtgtg caatcaacaa atccagactg 60
 ggaaattcta taggtggaat agctcagggt cttcatagat aatcagtaag gcatagaagg 120
 cgatagaagg agaatccata gattaagtag actaaaagac atcaaataa ttaagtgggc 180
 aacactaaat ttgtgtcaag gatgcatatt tcgataataa aactaaaaaa actcacaagg 240
 aagtgattat tacaggagtc aggctagcgg ttacttaatg gggagagaga gaggatgctg 300
 taattgggat ggggcacatg gacagggtt cttagtggac agcaaagttc tactgctcga 360
 cttggtggtg gtcataagggt tatttctctg aaaaaaatc attaagctac acatttgttc 420
 tgtgtggttt tctgtatccg tgctcatttt aaaaagtgtt taaaattggg tttattttgg 480
 tttgttttaa agagagtgcc acaaacagga ggaaaaagtc aagctagtgg gaagcagtgg 540
 gttcagtttg agtctggcca gtactggctg acaccaactt tcattcaatg tttattgagc 600
 atctattata gagggcactt ggatatcaat aaattaaaaa agatgctgtt tctgccctta 660
 aggagtgtca tagtataact ggtgaaacac atattaacca 700

<210> 1292
 <211> 700

<212> DNA

<213> Homo sapiens

<400> 1292

```

cacaaacagg aggaaaaagt caagctagtg ggaagcagtg ggttcagttt gagtctggcc 60
agtactggct gacacccact ttcattcaat gtttattgag catctattat agagggcact 120
tggatatcaa taaattaaaa aagatgctgt ttctgccctt aaggagtgtc atagtataac 180
tgggtgaaaca catattaacc acattttaat ctaacaacac gctactgaat atacaattac 240
acactgagtc aagtgcactg aaggatcggc atgcaggtta atgagaggca caaggaagga 300
agctaccctg gactgggggt aagggttggg gaactggaca ttcagggagg gtctccttga 360
tcatgggaca ctgagatggg aaaaaatagt tgacgatggg ggatttaagg tgtagggacc 420
aagctctcaa tgatattcac agtatagtgg ggaagaccaa cattaatcct ataataacac 480
tttttttccc ccaatttctg gtagacgttt taaaggaaaag tcataaggaa ctagggatcc 540
tgaattagcc agcatgggta aagaaggcca caggggggtg gttgggggtg gtggggaatg 600
cttcagactc tgagaagacc acacaccccc atggctggag ggggcatggt gaacatgagg 660
aaccagtgtg gttggcatca ggcgtgcaat tcaagagtac 700

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<210> 1293

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1293

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ggtagacgtt ttaaaggaaa gtcataagga actagggatc ctgaattagc cagcatgggt 60
aaagaaggcc acaggggggt gggtgggggt ggtggggaat gcttcagact ctgagaagac 120
cacacacccc catggctgga gggggcatgg tgaacatgag gaaccagtgt gggtggcatc 180
aggcgtgcaa ttcaagagta cagtgggtgg taggaggcaa attgcacaag gtcttgcaac 240
tatgtggaag agtttggtgt ttttcctcaa taaaagagg ttttttctgt tgttgtttaa 300
tttttccatc acttgggggt cactggcatc taatgagtag aggccagata tgttgttaaa 360
tattctaaaa tgcccaggaa aatgccctag aacaaaatta tttggctcaa aatgttaata 420
gggtcgaggt tgagaaactc tcgcctggtg gtagactcta ctttcccctg catgggtttt 480
ttaacaagca tgttctatat gccaaccaag ggggtggttc taaccacaag gcaggctggt 540
ataatctcta tgccctttcc cttcctaaga gctccctggg atggtaggga agagacagat 600
ccagagaacc ctttacatag caccagtcc tggcagttca ggggtggggc cagaaatggt 660
tgctttttaa gtctgtcaac aaaatggcaa acacacacat 700

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<210> 1294

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1294

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tgccaaccaa ggggtggttc ctaaccacaa ggcaggctgg tataatctct atgccctttc 60
ccttctaag agtccctgg gatggtagg aagagacaga tccagagaac cctttacata 120
gcaccagtcc ttggcagttc aggggtgggg ccagaaatgt ttgcttttaa agtctgtcaa 180
caaaatggca aacacacaca tacctggaaa caggacacag cagtctactt cttcctagag 240
ttgtgcatct cttacaagtc agacgcataa agataactca atagtgttac ataaagggct 300
ttgacaaccc aggagtactt taattgctct tgaatttcag acatattcat aggccagaaa 360
gaagggtgaaa cttttatact atataaaaag ttacattgat gtcctagaca agttagggca 420
tgaattgatt gctttcaggt aatctactta gcttaggttt tagaactggg ttactcagaa 480
gtaatgcact cagaagctgt ccatcccaca gggccctggg ccttccaagg gggcacagac 540
aggcttgagg cagggcattg ggaattgaag gcaggggctg caggcagaac agccatactt 600
ttagccactt aggggtgtatt tcatttacta gacttaaatt atcctacttt aatgaaagtt 660
ctgtggccaa aatgttttaga aaggtttgaa aaacactata 700

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<210> 1295

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1295

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tccatcccac agggcccttg gccttccaag ggggcacaga caggcttgag gcagggcatt 60
gggaattgaa ggcaggggct gcaggcagaa cagccatact ttagccact taggggtgat 120
ttcatttact agacttaaat taccctactt taatgaaagt tctgtggcca aaatgtttag 180
aaaggtttga aaaacactat attagccctt ctgtagacta aagtggctct aaacacactc 240
acaaattttg tttccacttt ccctgggaat agaccttttg gaacttaaat gctttcctca 300
ggtaatcatt gtgtcacatg gcaagaaggt tcttaagctg acccatgaca cagctgaccc 360
agaaaaatac actgcatttc tactctgaac ttggggatc tctttttcac atcaagggca 420
ttcttctgag ccgcagctgt cacttagctc cgtgagaagg aatctcccat gtccactcag 480
gtggcctcta agcatagcac aatcctcccc cagttcccc ctccccctcc cactccccct 540
tccccaggca acctcatccc tatctggggc tctgctgagg gttctatatg ctgacaaatc 600
ctacatgtgt ttctctagcc aaaacctctc atgcagtacc atatccatac agccagcttc 660
acactctact tctccactta ggggtctcat agtcacccca 700

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<210> 1296

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1296

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caatcctccc ccagttcccc cctccccctc ccactccctt ctccccaggc aacctcatcc 60
ctatctgggg ctctgctgag ggttctatat gctgacaaat cctacatgtg tttctctagc 120
caaaacctct catgcagtac catatccata cagccagctt cacactctac ttctccactt 180
aggggtctca tagtcacccc aaatttagta cacacaaatt gaactcaata tccatgaacg 240
tggttctttt ccagcattct ctgtcttaga gaagtgtacc ttcattcacc cagtactca 300
ggccagaaaag ctttcttccc ccaattccga catccagccc atcggcaagt cttgttgatt 360
ttacctctta ccacttccct ccatttctac caccgtcatg ctaggccatg ccaccatcat 420
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ccttcaattc tttcttcaca aggttgtaaa agcatcttta aaaaaaaaaa aaggacaaat 540
ctgattgtca cactattgct ttaaaaaatc tcagtagccc accgctgctc tgtggctgaa 600
gcccaaagtc ctaactgtga tccactaagc cctgggtgct catctgccc gggctctgcc 660
tgctctcccc cttcatctta acaccactct ccgcacctct 700

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<210> 1297

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1297

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aagggtgtca aagcatcttt aaaaaaaaaa aaaggacaaa tctgattgtc aactatttgc 60
tttaaaaaat ctacagtagcc caccgctgct ctgtggctga agcccaaagt cctaactgtg 120
atccactaag ccctgggttg tcatctgccc agggctctgc ctgcctctcc cttcatctt 180
aacaccactc tccgcacctc taccacacgg actttgtcct gctcccatgc cttttcatga 240
gccccggctt tagcatttgc tattctccct gctggatgt tctttctcct ctctaccct 300
cagctggcta ctttcgactc atcttccac tctcgtcat gcttcacctt ctcagggatg 360
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accatggcca aggacaacaa cgacttctc acttggttgt ttaatacatt ccaccttgct 480
agaaagcaag ttttaggaca gcagggacct agaacagtag tccatacaca atagaggagc 540
aagactacct ggggtccaaat cctaactctg ccacttgcca gctgtgaaac cttggggaag 600
ttatttaatc cctctgtctc actttctcca tctgtaaagt aggaataata aacagggtta 660
cctgcttttt aaaaaaaaaa ctggctgggc aggtgcagtg 700

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<210> 1298

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1298

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agcagggacc tagaacagta gtccatacac aatagaggag caagactacc tgggtccaaa 60

```



```

tcctaactct gccacttgcc agctgtgaaa ccttggggaa gttattttaat ccctctgtct 120
cactttctcc atctgtaaag taggaataat aaacagggtta acctgctttt taaaaaaaaa 180
tctggctggg cagggtgcagt ggctcgcgcc tgtaatccca gcactttggg aggccgaggt 240
gggtggatca cctgaggctg ggagtttgag accagcctga ccaacatgga gaaaccttgt 300
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caggaggctg agacaggaga atctcttgaa cctgggaggc agaggttgca gtgagccgag 420
atcgtgccat tgcactccag cctgggtaac aagagtgaac ctctttttcc aaaaaaaaaa 480
aacaacaata aaaaatatct ggctgcgcac ggtgtctcac gcctgtaatc ccagcacttt 540
gggagggttat ggaggaggga ttgcttgagg ccaggaatta aaaaccaggg aagatgctgg 600
gactcctttc caccggctaa cccaccgatt tgtggggtgt tctcacatgt gccatgtggc 660
caaggacttg ctgaaggctg ctactctctt cacagtcttc 700

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<210> 1299

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1299

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tggctgcgca tgggtgtctca cgctgtaat cccagcactt tgggaggtta tggagggagg 60
attgcttgag gccaggaatt aaaaaccagg gaagatgctg ggactccttt ccaccggcta 120
accaccgat ttgtggggtg ttctcacatg tgccatgtgg ccaaggactt gctgaaggct 180
gctactctct tcacagtctt ctctgacaga ccctgaagct ccagggaag aagacacaac 240
ataatggacc cctctaagaa cttcatgaaa gctacggacc tctctccaaa aaaatgctca 300
catgtagtct ctaacattgt gcatataatt tcgaggggtt tgggattctc taagccgtta 360
atgtttcctt gagttaaagg ctttagaatt atacaaataa cctgcttata agaaatggat 420
caaaacacta ttctccctcc tgtcataaag taaatgccaa aaccacaggc cacttagcta 480
aggggcatca gccttgtgga caaaagagtt ctgcttttca taccactagt ggctggtgag 540
agtcctttc actttgcaga gagaatgctg gtcttcttgg gactacagag gcagacaccg 600
tggcactact acagatctac aatctagcac atgtgcatgt gtgcatgatg tcaacctctc 660
ccatgctcag gggcatgaca gagtacagtt gaccaggagg 700

```

<210> 1300

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1300

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acaaaagagt tctgcttttc ataccactag tggctgggtga gagctccttt cactttgcag 60
agagaatgct ggtcttcttg ggactacaga ggcagacacc gtggcactac tacagatcta 120
caatctagca catgtgcatg tgtgcatgat gtcaacctct cccatgctca ggggcatgac 180
agagtacag tgaccagggt gaggcaagcc aggctactgc agaagtgaat catggcatat 240
tacctagtca accggatcac agatacatte agcttagaca gctcagggtt ctttacttag 300
caagaattac ggagtcagat gatttgttgg ctcttcttac taggcatgga gtctatatca 360
cagacatagc ttctcttctt ttaaaataca gggccctgcy ctgaaagaat actaccaact 420
gaaatcaagg gccaggcaca cgcttcttcc tcagtgtgta ggtccctgg tgctccagaa 480
gacagacacc ttacctgtct gacagctgcc ctgaaatgaa ggagcccaac agcacacca 540
cgaagaacaa ggagattgtg agtggggcct tccagtcgtc ctcacacacc aggttccact 600
gcaagatgag caaagggggg gtatcattca cttcttttta aaagggttta aagcaaaggc 660
atcctggaaa atgaagtcag aacatcctgc catccccaca 700

```

<210> 1301

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1301

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tgacagctgc cctgaaatga aggagcccaa cagcacaccc acgaagaaca aggagattgt 60
gagtggggcc ttccagtcgt cctcacacac caggttccac tgcaagatga gcaaaggggg 120
tgtatcattc acttcttttt aaaaggtttt aaagcaaagg catcctggaa aatgaagtca 180

```

```

gaacatcctg ccatcccccac acgctctgag tgtgaactca cttagtcagg tgatggctca 240
cctgggcagg aaggcagaga gcaggcttct ttcccatcct gtttttcata gcattgtagg 300
ccccactgtc ttgcttccat ttgaggagg agagacaggc agagagtaag tgttctgtcc 360
acatgctgac cctggagaaa gcaaggcctc taacgcttgc tcctaaaaat ctgagcggag 420
cccagggctg tggaagaggc agggcacctc cgctcagtgg gggttcaggcc attggcatga 480
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aagaaactaa ggccagggca cagagtgcac catctggacc tgctctgctc aggttccac 600
cctggggcaa tgacccccgg gtcctttttg tgaccttag agctggaatc cctgatgctg 660
cacaccaact atactaggct caattacagc tgaaagccct 700

```

<210> 1302

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1302

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ggaagcaggg ctctggggct ctacgggcca aagcatccag caagaaacta aggccagggc 60
acagagtga ccatctggac ctgctctgct caggttccca ccctgggcca atgacccccg 120
ggctcctttt gtgaccttta gagctggaat cctgatgct gcacaccaac tatactaggc 180
tcaattacag ctgaaagccc tgagcttgga ggtaagaaac tgggttttag ctccactct 240
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ttgtaaaaca gggattgggg taaggaatag gctgcaccgc ttgagtttcc agcttccaat 360
gtgtgggttc atctatagtt accatgaaca gaaaaagagg tctgaagaca tggggaagca 420
gccagacgct tggatctggc tacgcctgcc taacaagag ccaaaagcag gaagaaagcc 480
caaacgggaa acttagtggt tcacagaaaa atgaaaaatg tttttcagac agagagatgg 540
tgctcagtag taacctttgc agacttctca catgagcaac caccctccta ggaactcaga 600
cccttgctc cctggtgcca ggctgctagc ctgcctcca cggagcctgc tggctcctca 660
ccaacaacgc aggcaagggg acatgcggct ccctagaaca 700

```

<210> 1303

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1303

```

ttcacagaaa aatgaaaaat gtttttcaga cagagagatg gtgctcagta gtaacctttg 60
cagacttctc acatgagcaa ccacctcct aggaactcag acccttgct ccctgggtgc 120
aggctgctag cctgccctcc acggagcctg ctggctcctc accaacaacg caggcaaggg 180
gacatgcggc tcctagaac aaagcatctc ttccaagcca gtgacaggga aaaacaagcc 240
tgcttctccg cactgctggg cagtgtgggc gcacagcctc cgggcacctc tcagaggggt 300
tggcaggcaa ccctcaggct ggacacggag aactcccgca gcaggcacac tgctgggtgct 360
ccgctttgga ataagcgtga acctggatgg gctgggagta ggggtggcaat ccccaacca 420
gggaagaact ggagcatcca acccctaate aggaggcagc ccagactagc aggagtcaag 480
aacatgggag gaccacagcc tgactgccc ggctgccaca gcctccaacc tccacagcct 540
cagaagggcc agcaccaca ggcatctct ctggtagggt ggtaagtatc cctgcagtgg 600
ccccaccca cacatggctg ctaaattctag gactgggagt ggaggcggag aaaaagctga 660
gggaattgat gacaggggtgc cggcctctgt gtgtgaggcc 700

```

<210> 1304

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1304

```

ctgactgccc aggctgccac agcctccaac ctccacagcc tcagaagggc cagcaccac 60
aggccatctc tctggtagggt gggttaagtat ccctgcagtg gccccaccc acacatggct 120
gctaaatcta ggactgggag tggaggcgga gaaaaagctg aggggaattga tgacaggggtg 180
ccggcctctg tgtgtgaggc caagcttcag gggccaggac ctggctcctg ccactcttga 240
gtatgatggg ctctatttcc cagctagcat gtcttttata gtggaaaaga tgaaaacatg 300

```

```

aacaaagggg cagcagcggg ttctcacagg actatcatga ggtgaggggt ggggacccat 360
atggctgagc tagactagca atccacgtgg gcttctgcag tgagttctgg gggtgtagac 420
cccaggacag gtctcccaat atcaggcttc taaagactcc ttggctggca aggttgggtg 480
tgacctaaaa ccaggtcaga caatctctgc aggggacagg gtgactatag tgctcatttt 540
gagacaggcc ccagagcatc tctcaggctc ccttagcccc accctctcta cttgggtccag 600
cctgtcctta gtctaggcag gtgtgtaact ccttggttaa ctctgccatc caccaccac 660
tgaccgcctt tgacaactct ctgggcctgg ctttgggccc 700

```

<210> 1305

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1305

```

acaatctctg caggggacag ggtgactata gtgctcattt tgagacaggc cccagagcat 60
ctctcaggct cccttagccc caccctctct acttggtcca gcctgtcctt agtctaggca 120
ggtgtgtaac tccttggtta actctgccat ccaccacca ctgaccgccc ttgacaactc 180
tctgggcctg gctttgggcc ctccaaaagc aaatatgcat taacacttct ttcctattgg 240
ccgagggggg tctgtgagca ggatcaggaa aggtgctagg tctcaaaact gaacacaagg 300
gcaaacatag attgggtccc agcctgccaa tccgtccaca tatctgtcaa ccaccagatg 360
gactgcagta gggtccagga cttggccaga atctccctga gaagagggtg atgagaagca 420
catagagtcc aggctaagta cccctactt aaattgttta caaaggagtc tagcattcct 480
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cctggcacat gggatgggct atactggctg atgatcacag gtatcaatgt taaaatggaa 600
tgtgtgggtt taagatttgg gtcacgagtc taatgctgtc acccttcagc tggctgagct 660
gtgaatgcag gccaacctg aaaacaatct gggagcaact 700

```

<210> 1306

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1306

```

tgtgattaaa gctgctacag accagcttat tgatgcctcc gcctggcaca tgggatgggc 60
tatactgggt gatgatcaca ggtatcaatg ttaaaatgga atgtgtgggt ttaagatttg 120
ggtcacgagt ctaatgctgt cacccttcag ctggctgagc tgtgaatgca ggcccaacct 180
gaaaacaatc tgggagcaac tctggcaaa ggcctagact tgcccctctt cctggggaga 240
aatgcacctt tctagtgggt atggtttcaa ggggtgtagag atacatgtgt gccaaattgc 300
atgcttttagc tacatgcagt ttttatgtca tttacacctt aataaaagcta ttaaacattt 360
ttaaaaagag ggagaattgt gtctcctata cctcatatc aattggcact gctttttcag 420
ttatgagaag tagagagatg acatagttcc ctgggactaa atgttcttac ctgtgaattg 480
gcaggaaggg aaaaaagata ggggtgtgtg ccctaagaca gaagtcttc cctgagggga 540
tgtacctagc ctgaccgtat caacagtcag acatgctgct aggtaccaca tgttactgat 600
tgccatgtat tcctatattc ctacacacat tttatcctgc ctctgctga aatcaatgat 660
gaatccttgc cccaccgttg tcagagcaaa gagaaaagg 700

```

<210> 1307

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1307

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agggtgtgtg cccctaagac agaagttctt ccctgagggg atgtacctag cctgaccgta 60
tcaacagtca gacatgctgc taggtaccac atgttactga ttgccatgta ttcctatatt 120
cctacacaca ttttatcctg cctcctgctg aaatcaatga tgaatccttg cccaccgtt 180
gtcagagcaa agagaaaagg tatttcctat ctttgctatc acatcctcta caactcctgg 240
cagtgcctcc tgtatcgaag agaggctcag gagctctttg gtacatagggt gagtgaatga 300
atcgataaat aaaaaggat caaccttcaa catcttggtg taacttaggt cttgcttggc 360
tgcccaaagt cgagatgaac cctgaactcc tgaacttcaa tctccagaat actctttttt 420

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```

ttcttttgaa acagagtctt gctctgtctc ccaggctgga gtgcagtggc acaatctcgg 480
ctcactgcaa cctccacctc ccgggttcaa gtgattctca tgctcagcc tcctgagtgg 540
ctgggactac agggatgcac caccagcctg gctaattttt gtatttttag tagagacggg 600
gttttgccat gttgaccagg ctgggtcttga actctgacct caggttatct gcccaccttg 660
gcctcccaaa gccctgggat tacaggcaag agccaccaca              700

```

<210> 1308

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1308

```

cccggttca agtgattctc atgcctcagc ctctgagtg gctgggacta cagggatgca 60
ccaccagcct ggctaatttt tgtattttta gtagagacgg ggttttgcca tgttgaccag 120
gctgggtctt aactctgacc tcaggttatc tgcccacctt ggctcccaa agccctggga 180
ttacaggcaa gagccaccac acctggccat tttttttttt ggctccctga cccctgctt 240
tgtgtcaact gtcagaaaatt tgacccagga tgacagggtg cagctagcta gagagtggct 300
caatctgacc actcatggcc agatgtgtct actatgtacg tgcatagtgg gccacgggac 360
cccgaagtg gcttctctgc cttgccatat agctgcaaaa ggctggatga gggctctgtg 420
gtcccctgag tgagagaaat caacaaaggc gtaacagtga gggtcaagtt ccaggctctc 480
cgggtctctg ctgcccagag tcagccccgg tccagctcc caggttgctc tggcttttcc 540
tccaggcagc tttggggata acagtgaggg ctctctcatc ttctaagact atctgtctct 600
acacaagata aggctgatag aaaagctagt ccaggacaat ggggagggag tgggagtccc 660
accaggact gggccgaggg cttcttagaa gcagacaggt              700

```

<210> 1309

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1309

```

gtcagccccg gtcccagctc ccaggttgct ctggcttttc ctccaggcag ctttggggat 60
aacagtgagg gctctctcat cttctaagac tatctgtctc tacacaagat aaggctgata 120
gaaaagctag tccaggacaa tggggaggga gtgggagtc caccaggac tgggcccagg 180
gcttcttaga agcagacagg tggagagcaa ggcatgcag agcagcttgg aagtttcttt 240
tcttttctt tttttttttt tgagacggag tcttgctctt gtcacccagg ctggcatgca 300
atggtgcgat cttggctact gcaaccccc cttcccagg tcaagaaatt ctctgcctc 360
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tatttttagc ggagacgagg tttcaccatg ttggccaggc tggctctgaa ctctgcctt 480
gtgatccacc tgctcagcc tcccaaagt ctgggtttac aggcagtagc caccacaccc 540
agccggaagt ttctcaagga acctgtctgt ccataggctg gacagagcta tggtgaaacc 600
aaagagcgga cagcccagac aacctcagaa acaacccagg tttccagcag atggggcagt 660
ccatggccaa gaagcactgc atgatgggtt ggctaattcc              700

```

<210> 1310

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1310

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ctcccaaagt gctgggttta caggcatgag ccaccacacc cagccggaag tttctcaagg 60
aacctgtctg tccataggct ggacagagct atggtgaaac caaagagcgg acagcccaga 120
caacctcaga aacaacccag gtttccagca gatggggcag tccatggcca agaagcactg 180
catgatgggt tggctaattc cccagtaccc cagggatgac tgaggggcca gaggagaggc 240
cagccgagaa ccatgtggac caccaaacta ttcttgaac atgggggcat aaaactcttt 300
tacctcataa atcattttta ttattaata ttattattat tcttttgaga tggagtctcg 360
ctttgtcgcc caggctagag tgcagaggct cgatctcggt tcaactgcaa gcccgcctcc 420
tgggttcaag cgattctcct gcttcagtct cccaagtagc tgggaataca ggcagtgtgc 480
accacacca gctaattttt gtatttttag tagagatgga gtttcaccat gttggccaga 540

```

313/663

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ctgggtcttga actcccgacc tcaagtgacc tgctgccttg gcttcccaaa gtgctgggat 600
tacaggcggtg agccaccacg ccctgccaat atttatttat ttattaattg cttagcagatt 660
ccctctgcca atcccaacac ctcatccac atccatgtgg 700
```

<210> 1311

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1311

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tgtattttta gtagagatgg agtttcacca tgttggccag actgggtcttg aactcccgac 60
ctcaagtgac ctgctgcctt ggcttcccaa agtgctggga ttacaggcgt gagccaccac 120
gccctgccaa tatttattta tttattaatt gctagcagat tccctctgcc aatcccaaca 180
cctcattcca catccatgtg gcatcaaaag cccagtcagt gggcaggggg agtcacattt 240
cctttaaaaa attccagtca atccttttca gccaccctca agtttccctt ctaagaactg 300
aactattttt ctttagttct caaacttttag agatgatttc ttaaattatt cattaactca 360
ttcaataaaa attttcctga gaacctccct ctgcatccag aattgtgtca gaaattgagg 420
aagacgcaaa gatctaaatc caccacaaag tttggacta catgtatgta ctttaacttg 480
aacaaattaa aaaaatccaa acaggacacc tgagggtcca gtcttcagtg gaaaaatat 540
gactagtaat tcaataccag tgtacttaca aacaccttta tgtatgattt ggggcagagg 600
gcaggccttag agacatttag caggcatggg actagatgca gtgttcagca ggccagggtt 660
gggttgaaag acaacaggcc atagaaaaag ccattagaat 700
```

<210> 1312

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1312

```
aacaggacac ctgaggttcc agtcttcagt ggaaaaaata tgactagtaa ttcaatacca 60
gtgtacttac aaacaccttt atgtatgatt tggggcagag ggcaggctta gagacattta 120
gcaggcatgg gactagatgc agtggtcagc aggccagggt tgggttgaaa gacaacaggc 180
catagaaaaa gccattagaa tgttgatgca gcaacttcca gcagtagctg ttcacctggg 240
aacaagcagc tctgaacttc aagtcaagca ttccagtagc ccaaaacaaa gatctaagca 300
ttaatctggc ctccctgcaa agactgacaa catataagta ggtgaaaggg cacataactc 360
ctttgaaact gctaagacag ctaaataaat agtctaaata ttaaaaaaca aaaggctgac 420
attggcagca agataaggtc agacccctg gcacagctgg cctttgggag ctcatcaatg 480
ccaccatcac tcagcccaat gtgggatgga ggcagcaaag caggaacaag tgactagagt 540
aagccgggga accctcaggg gtcaatgtaa aactccaaga gatgccatgt gcttcttctt 600
gcttcaactac ttccctcttc tttaggcagc cccaagtaga atttgtaggg attcctgtgt 660
catgttcccc tctgtggcct ctgcctgcaa cctcagggac 700
```

<210> 1313

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1313

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tgtgggatgg aggcagcaaa gcaggaacaa gtgactagag taagccgggg aaccctcagg 60
gggtcaatgta aaactccaag agatgccatg tgcttcttct tgcttacta cttccctctt 120
ctttaggcag cccaagtag aattttagtg gattcctgtg tcatgttccc ctctgtggcc 180
tctgcctgca acctcagggg cagcctctgc tttcatagta ctactgggt tccgggaagg 240
taacacaccc acctgtgagg ctaggacca ggatttgggg caactgaaag ttccaatttc 300
ctgtggatcc atgggccaga aagcacagtt ggctacctcc aaggagtgc tcttttgtca 360
agccatgatg cctctggaca ctgaagctat gtcactagct aagaaatccc agtggggctc 420
cggtcacact ccactacat atatgtggag aaagcagggt caaatgctgg ggacatcaaa 480
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gactccattg aagggtgatg acgccaagaa gcaacacagt tgggatctcc agagcccttg 600
taagcccctc tgaggctcca ggaggggagg ctcagcacca acatccagca gggcttgaag 660
```

ctgtgccagg gcctgtggca ctctccctct ctatgaactc

700

<210> 1314

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1314

cacacatgca	cacacacttg	gatctcccag	ggtagctctc	agactccatt	gaaggggtgat	60
gacgccaaga	agcaacacag	ttgggatctc	cagagcccct	gtaagcccct	ctgaggctcc	120
aggaggggag	gctcagcacc	aacatccagc	agggtttgaa	gctgtgccag	ggcctgtggc	180
actctccctc	tctatgaact	ctccctctct	tgtgaactcc	gccgtcctgc	tgggtgggtt	240
cttgctgctg	cattggggcc	ttcagctcac	tattatgctg	agctgaacac	cctaggctca	300
ctgagaggcc	tctcttctg	ggaagccttc	tctaacctgc	gaattgggtca	tctgcacatt	360
tagtgagcct	atctatcaat	gagggctact	cactggctac	ttactcaatg	ctgctgaaac	420
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accagagggg	aaaatccaag	gggatgagaa	atgagaaaag	ctccccaca	ccctatgacc	600
taaggctgta	tgctttaact	aaatctggcc	gacagccttg	cctcataata	cctgagaaaa	660
tattccaggt	caacaagtca	ccctgaaccc	atcttcagat			700

<210> 1315

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1315

caacaactgc	tccaacaggt	tcggagggga	cagacaaaac	caccagaggg	gaaaatccaa	60
ggggatgaga	aatgagaaag	gctccccac	accctatgac	ctaaggctgt	atgctttaac	120
taaatctggc	cgacagcctt	gcctcataat	acctgagaaa	atattccagg	tcaacaagtc	180
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gctgggcgtc	gtggctcaca	gctactcgga	ggctgaggca	ggagaatcac	ttgagcccgg	420
aaggcgaaga	ttgcagttag	ccaagaacgc	acgactgcga	aggttgcagt	gagccaagaa	480
cacacgactg	cgctccagcc	tggtgacaga	gggagactct	gtctcaaaaa	aaaaaaaaaa	540
aaaaaaaaag	tgacaactga	ccatgggaaa	aggcaaacaa	ttacttacag	ggcatgacca	600
gattgtcggt	tttgggttgt	ggacggtagg	ggaaggagta	actagaggaa	aaagggaaga	660
ggcagttgta	tacacatgct	ttatttaact	tttaaaagtt			700

<210> 1316

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1316

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tggacggtag	gggaaggagt	aactagagga	aaaagggaag	aggcagttgt	atacacatgc	180
tttattttaac	ttttaaaagt	tcaggaaaga	gaagtatttc	ttctcttcta	aaaagaaatc	240
aagagactag	aggaaaaacg	ggatagcccc	tggcccaagt	cctggctctg	ctacttacca	300
cccccaacc	caactagagt	aagtcctgga	cacacagggc	catagagcat	cgcccaggga	360
ccgccaggac	cttcctggta	ccctcttcaa	agtggccatc	aggacgggag	gccagactga	420
ccacctgtgc	agggaggagc	acactgtggc	tggaggtcac	ctcgtgaagc	gttcccaagc	480
cacctggctg	gagggctctc	atcgctaggg	tgttgaccgt	tgggggaggg	ggagtgcacg	540
cgtccagtgc	gcatctggga	gagaggagct	cgggttcaag	gaccgcgaca	ggtcctccga	600
gccctggctc	cagccccagc	aggggccggc	acccacctcg	gtcacaatgg	tggacaggta	660
gacgtcctga	ctgaactccc	agccatccag	acagctctcc			700

<210> 1317
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1317
 catcgctagg gtgttgaccg ttgggggagg gggagtgaca gcgtccagtg cgcattctggg 60
 agagaggagc tcgggttcaa ggaccgcgac aggtcctccg agccctggtc tcagccccag 120
 caggggcccg caccacacct ggtcacaatg gtggacaggt agacgtcctg actgaactcc 180
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<210> 1318
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1318
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 aaaacgcacc cctcccagct ttttgcaagg cctacttggg ggcggaggta aggagaaagt 600
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 ggggattatt ttgaacctgg gactgttaac taccctagta 700

<210> 1319
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1319
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 taataaaatt gccagattta gcaaataaaa atataggact cctagttaaa tttgaatttc 540
 agatatagaa tgaataattt ttaaataatta tgtcccaagc aggaatatat aaaaataaaa 600
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 agatgaaatt aacttttagt gtatatattaa tcaagtatat 700

<210> 1320
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1320
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 ttttattggg caatgctgca tttttaaaaa gtaaaaataa aagatgaaat taacttttagt 180
 ggtatattta atcaagtata tcacagaacat gatcatttca tcatataatc aatatagaaa 240
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<210> 1321
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1321
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 gagacaaggc atccctgtgt tggccagggt ggtctcagac tcctgggttt aagcaatcct 180
 cccacctcag cctcccaaaa tgctgaatta cagacgtgag ccactatgcc tggccagact 240
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 aatagtagtg gcttagtgat agaaacagaa ctaagtgtat attttttaca tataatgtgt 420
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 ccttctaaca tcttatgtga agttatagtt cttatctaga 700

<210> 1322
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1322
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 cgtgaagatg gatgggtata ccttcagcaa tgtacttaaa tccttctaac atcttatgtg 180
 aagttatagt tcttatctag aactaactga aaaagaaagc aaagcttctt gaaaataaac 240
 tccttttttg tgtgctaaaa tattatttta atgcttcaaa agaaatgaaa gcttttatga 300
 gaagaatggt gacctctgtc cagaccaaac aagatgaaga agtcttattt taacatttga 360
 gaaatatcag ttgggcatca gataacattc ctgaaaggga ctgaaaacaa tgcagtatac 420
 tacaaaagaa gctgcatatc ctttaggaaga aaagaaacta tttgtcatag atggcttgct 480
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<210> 1323
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1323

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cctgagcctt ccaagtgcct gggactacag ccacgcgcgc ctacaccagc ctatTTTTTT 240
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aatgcattca taccctggca gatgtggtag cttgcctcca agatggcacc caatgaatga 600
tccctgtacc aggattgggt tatgtgacca aaagcataca gcattagtga tgatacttat 660
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<210> 1324

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1324

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tataaaagat gtccatcatg ggtgttcttt tccctttctc ttgctcagag acaagcaagc 240
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caatagatag ctaatatata aattatttga atcaaacaat acgttaaatt aaagctcaga 600
agaataaaca tctgtaattc cttaatttgt tttcccttct attctacaga atagaatttt 660
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<210> 1325

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1325

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ttgttttaaa atggtaaaatt ttgaggtatt atgttatgtg gcaatagata gctaatatat 60
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ccttaattttg ttttcccttc tattctacag aatagaattt tacagatgaa cctttagatt 180
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tagcatatat taactacaaa ctaaatatta gctataatta ttagttttac tttgattatt 420
gactctaaat aaatacctta agaactttgt gttctccaca gatttggata tgtctggacg 480
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agaaaagaat aggtgggtg cggtggctca tacttgtaat ccagcattt tgggaggctg 600
aggaggggtg atcacctgag gtcaggagtt tgagaccagc ctaaggaaca tggtgaaacc 660
ctgtctctac taaaaatata aaaattagcc aattgtggca 700

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<210> 1326

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1326

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cagcaattac ttgcctgagg aagggaaggc ctctcctttt aagaaaagaa taggctgggt 60

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gagtggccaa cccagatatt tcatttctta tctatgacga acttctgaac tgctcccacc 660
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<210> 1327

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1327

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aattgcatgc tttttacaag gagttttggt tctcctgccc agcccactgc cactggactg 660
ccctgtattg taagtccct caataaacct tatgtctcag 700

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<210> 1328

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1328

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acattgaatt atatgaccca agagtggaga aacagagaag tctgtctgtg tcatcagaca 420
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taactagcca tgaagacaat ggaccttgaa acattctgaa gactagaaaa agtatgtaat 660
aaaatacttt gaacaactgt ttaaggactt aaatgtccag 700

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<210> 1329

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1329

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ggcacaattc tgttggattg cacaatagaa tgagaaatca catttctgct gttatgtgat 60
tctgcatttt aactccagtt tgtttggcct ggacagacag gtaactagcc atgaagacaa 120
tggaccttga aacattctga agactagaaa aagtatgtaa taaaatactt tgaacaactg 180

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tttaaggact	taaatgtcca	gactgtttct	ttagatgagt	gtaatttcca	atgtgaaacc	240
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ttgcaacaaa	cttgaccatc	ctatttgtgg	tagtagaaat	gtaaattcat	tccctcaga	360
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cttcgttcat	ttggcaaaca	tatgaataga	ctgatgtgtg	ccaaacactg	ttccgagttc	600
tgggaactga	ggaaagaaac	aagctatctg	ttttcatgga	gctcgtattt	tacttggagg	660
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<210> 1330

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1330

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caagctatct	gttttcatgg	agctcgtatt	ttacttggag	gatggagagg	ctgacaataa	180
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aacactacca	gaatatTTTT	tcttttttga	gacagggtct	cactgtcacc	caggctggag	660
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<210> 1331

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1331

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ttggaggaaa	aaggtgacat	gatttactat	tggatgtggg	catgagggaa	ggaaattaag	660
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<210> 1332

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1332

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gcctgagcaa	ctttatagct	tttcatgttt	gtttttgaaa	tggggagatt	tgatgggggtg	240
gggggtttggg	aaattaagag	ttttttattt	ttattttttg	cttttttaaaa	attgtggtga	300

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aatacacata acataaaaatt taccattttta accactctta agggcattaa gtacattcac 360
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gtttagcat atgtcagaat ttccttcctt ttttaagactg aataatatgc cattatatat 660
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<210> 1333
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1333
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<210> 1334
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1334
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cccaggagag aagtcataata ggaacacata ggtttcccta gggaatacag tcatcttaga 600
gtaaaattcc atcgaaggag atcaggaggt cttggctgag ttaaatttgg ataataaag 660
ttattaacta tgtaaatgtg ttctaagcta gatgccaggt 700

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<210> 1335
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 1335
catatagatg gtatttaagg ccatgggtct ggacagaatc acccaggaga gaagtcatat 60
aggaacacat aggtttccct agggaatata gtcatcttag agtaaaatc catcgaagga 120
gatcaggagg tcttggtcga gttaaatttg gataatataa gttattaact atgttaatgt 180
gttctaagct agatgccagg ttaaggcaga aattaggagg tcttgggcaa gtatcaattt 240
gctctgctat tgtattatta caagaataat actaacaata gtacatgacc tcatttcac 300
ctcacaatag ctttacgcga ttgatattct tgtcttcaat ttacaggcaa agaaacaaaa 360
gagaagtaaa gtaatttacc cagttgctat agttagcatg tggtaggtcc atattagagg 420

```

```

tctgggtctgt ctgcatgatg gttaatttta tgagatagca agtaaaacat tatttgtgtc 480
tgtgtctgtg tctgtgagga tgtgttcgga gaggttcaca agcatttgaa tcagtagacg 540
gagcaaataa ggtccgccct caccaatgtg ggcaggcatc atccaattca ctgaggactc 600
ctgctcacac agaacaaaaa gtcagaggat gtgcctatag ttccagcttc ttggaaggct 660
gcggcaggaa gatgctgggg cccaggagtt tgaggccagc 700

```

<210> 1336

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1336

```

atgtgttcgg agaggttcac aagcatttga atcagtagac ggagcaaata aggtccgccc 60
tcaccaatgt gggcaggcat catccaattc actgaggact cctgctcaca cagaacaaaa 120
agtcagagga tgtgcctata gttccagctt cttggaaggc tgcggcagga agatgctggg 180
gcccaggagt ttgaggccag ccaggggcaac atagtaagac ctttctcttt aaaaaaattt 240
tttttggtg ggtgcagtgg ctcatgcctg taatcccagc actttgggag gccgaggcag 300
gcggatcatg aggtcaggag atcgagacca tcctggctaa catggtgaaa ccccgctctc 360
accaaaaata caaaaaatta gccgggcgtt gtggtgggca cctgtagtac ccgctactca 420
ggaggctgag gcaggagaat ggagtgaacc ccggaggcgg aggttgcaat gagtggagat 480
tgcaccactg cactccagcc tgggcgacag atcaagactc cgtctcaaaa aaaaaaaaaa 540
tttttttttaa ggcataaggaa gggcaaattc tctcattctc tctcttcttg agctgggaca 600
tccattttct cctgccttca ggaaatcaga gctccatgtt cttggatctc ccgactctgg 660
gacttacacc ttaccctttt cccctcagtc tttcagactt 700

```

<210> 1337

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1337

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ctgggcgaca gatcaagact ccgtctcaaa aaaaaaaaaa ttttttttta aggcataagga 60
agggcaaatt ctctcattct ctctctctct gagctgggac atccattttc tcctgccttc 120
aggaaatcag agctccatgt tcttggatct cccgactctg ggacttacac cttacccttt 180
tccccctagt ctttcagact tggactgaat tacaccatca cctttcctgg ttctccagct 240
tgcagatagc atgtcatggg acttcttagc ctctgtaatc atatgagcca gttcatatag 300
taaattctct cctattgata tataacctata tctgtaatcc tattagttgg gtttctttgg 360
aaaactctaa taccctctta tccacagttt tttttttttt ctgcagtttc agttatctac 420
ggccaactgg gtaaaccaaa taggtgagta cagtacaata aaatattttg agagagagat 480
gcacatttgc atgacttcta ttacagcata ttgttataat cattctattt tattagctat 540
tgttagtctc ttattctgca taattttataa attaaatttt atcttaggta cgtatgtatg 600
tatgtatagg aaaaaaccta gtatatatag tgttcagtac tatctgaggt ttcaggaatc 660
ccctggtggt cttggattgt agccccctgc cttcaagcct 700

```

<210> 1338

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1338

```

attacagcat attgttataa tcattctatt ttattagcta ttgttagtct cttattctgc 60
ataatttata aattaaattt tatcttaggt acgtatgtat gtatgtatag gaaaaaacct 120
agtatatata gtgttcagta ctatctgagg ttccaggaat cccctgggtg tcttggattg 180
tagccccctg ctttcaagcc tgcactctca attactgatg ctacatctca ttaccctgaa 240
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tgtcaccgca gtcacatttg tgtgtggtga atgggtccagg agagatgggt ctattcctgc 360
caccttcatt agcctggctt gcattctctt ctgaacactt gggctcttatt aacactgtgc 420
caggttctca tatacccaa ataaagaaaa agaaagtaga tggatacagt gtacatacta 480
ggcccaacag aagttatgct tttactccct ttctcttcca atttagatac tactatggcc 540

```

```

ctttgcttcc gtctatctca gttccttcgt tgtcttatca ttccattcac ctctactgca 600
aggccctaaa tccaaccatt tggtcactgt actcctaccc tgggtcactg gaggaatatca 660
cacaaccatg tgagttgggtg tcttgacaca tttacatttc 700

```

```

<210> 1339
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1339
ttttactccc tttcctcttc aatttagata ctactatggc cctttgcttc cgtctatctc 60
agttccttcg ttgtcttata attccattca cctctactgc aaggccctaa atccaaccat 120
ttggtcactg tactcctacc ctgggtcact ggaggaaatc acacaaccat gtgagttggg 180
gtcttgacac atttacattt ccaatcacia ttggaccctc agcccacttg ttactctctc 240
aaccatgtt tccttgacac catcaacagc ccccttctt tcttgatatc taagtcagca 300
tcctggattg agagtgaaga gtaaaatggg ttgacttatt gtgagcttag cctttgcaag 360
actagtaaac aaaaggactg gggtagtggc aagagtatga atgggctgga gggatcacaa 420
gggtataaact gaaagggaaa ggaaatgata tcagggtgaga gctgaagagt tgggaggaaa 480
acaaagggtcc tagagtgaaga tggagctggt gtgactgatg agaggccag ggtgtgtcct 540
cagcagcaag agtgtgaagt ataggtgaag gtcaagtact gcgaggctaa ggtgtagcac 600
tactcatctt cctgagcaca aaagtcacca gcacctggg ctgggtgtca gagagctcac 660
agaatgtgga taaccaacca ggcagatggt ggtaacagca 700

```

```

<210> 1340
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1340
atggagctgt tgtgactgat gagaggccca ggggtgtgtcc tcagcagcaa gagtgtgaag 60
tataggtgaa ggtcaagtac tgcgaggcta aggtgtagca ctactcatct tcctgagcac 120
aaaagtcacc agcaccttgg gctgggtgtc agagagctca cagaatgtgg ataaccaacc 180
aggcagatgt tggtaacagc aaccaggagg gcacagcaca aacctgagca ggtcttttat 240
gtatgtgaag gtgaaggagt tatgatttag aaatggcagt gggaaagcaag gagaatgctg 300
agagcctgct cagctcttgt cttccaggat catggatagt gcaaaatgag tagccttcct 360
ttgagagaca gagccatgag gctagtggag tgctcagaaa gaagccagat ctctatcaag 420
gaaaggagat ggagagaaca accagggatg tacttgaaa aggagagtgt catgtctaca 480
atggaatatg tgttgagag gactcagtc cagagaagac aactgcagga gggtagctg 540
gagggtctct caggggcagg agcacagtag ggcattagaa tgggagtgtt agatgagaag 600
gattacattt gcagtgtctg aggaagatca tctcaagggt cacaaaatca agctttaaac 660
ttgtctgtgt caacagacgg aggcattggg tgatagttca 700

```

```

<210> 1341
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1341
ggactcagtc acagagaaga caactgcagg aggggtgagct ggagggctct gcaggggcag 60
gagcacagta gggcattaga atgggagttt tagatgagaa ggattacatt tgcagtgtctg 120
gaggaagatc atctcaagggt tcacaaaatc aagcttttaa cttgtctgtg tcaacagacg 180
gaggcattgg gtgatagtct aaatccccat aattttttat aatcctttca gcagtctgtt 240
aaatataacc ttgggtgataa gctaaagtac ctcagcatag caagcttggc ttggtctaaa 300
tcagggtaga ggtgattgct gctcaaagga agtgagagag acaccagct ctggattgga 360
gaacatgact ttgacctggg tttcagcctc cacagggtc agccccagg gagcactggg 420
caagttgcta aggccacaag caggagttaa taaccaggct agactaagcc cactgatgca 480
agaatttttt tttttttttt ttgagacaga gtctcactct gtcacccggg cttagagtga 540
gtgggtgtgat cttgggtcac tgcaacctcc gcttccctgg ttcaagtgat tctcctgcct 600
cagcctctca agtagctggg attacaggca cccgtacca tgcttggtca aattttgtat 660

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tttttttagta gagacagggg ttcaccgtgt tggccaggat

700

<210> 1342

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1342

tttgagacag	agtctcactc	tgtcaccggg	gctagagtgc	agtgggtgtga	tcttggtctca	60
ctgcaacctc	cgcttccctg	gttcaagtga	ttctcctgcc	tcagcctctc	aagtagctgg	120
gattacaggc	acccgctacc	atgcctggct	aaattttgta	tttttttagt	agagacaggg	180
tttcaccgtg	ttggccagga	tggctcttgag	ctcctgacct	caagtgatcc	acctgccttg	240
gcctcccaa	gggctgggat	tactggcttg	agccaccatg	cccagcctga	tgcattgaatt	300
tgcattcttc	atgctcttca	tctatgcttc	tgaagacctg	gcacttagtc	aacactcagt	360
aagtttttat	tttttaactg	ctttatgatt	ataaaagtaa	tatatgaagc	atttgtaaag	420
tatggaaatc	tggaaaaaat	aaaacagaag	tcatctataa	tctgaccatc	caaacatacc	480
tactgttaat	accttagtct	acgttctttc	tttttttcc	tttttttgaga	tggagctctg	540
ctgtgttgcc	caggctggag	tacaatggca	tgatttcggc	tcactgcaac	ctctgcctcc	600
caggttcaag	cagttctcct	gcctcagcct	cccaagtagc	tgggcttaca	ggcatccacc	660
accatgccct	ggtaattttt	gtatttttag	tagagatggg			700

<210> 1343

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1343

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gtacaatggc	atgatttcgg	ctcactgcaa	cctctgcctc	ccagggtcaa	gcagttctcc	120
tgcctcagcc	tccaagtag	ctgggcttac	aggcatccac	caccatgccc	tggtaatttt	180
tgtattttta	gtagagatgg	ggtttcgcca	tgttgccag	gctgggtctca	aactcctgac	240
ctcatgtgat	ctgcccgcct	cagccttcca	aagtgttagg	attacagggtg	tgagccaatg	300
cgcttggcct	tttttttttt	ttaagacagt	tttgcctctt	ttgcccaggc	tgtagtgcag	360
tgggtgtgatc	ttggctcact	gcaaccagg	tcaagtgatt	ttcctgcctc	agccttctga	420
gtagctggga	ctacagacgc	caccatgccc	agctaatttt	tttgtatttt	tagtagagat	480
gggggtttca	ccatattggc	cagggttggtc	tccaactcct	gactttgggt	gatccgcccc	540
cgttggcctc	ccaaagtgtt	gggattacag	gcattgaacca	ctgtgcccag	ctgagcctac	600
tttcttctgg	tctttttctc	atgcctcccc	accaccaccc	cagccccccg	ccattacata	660
cgtatatatg	tttatttttt	ttttaaagag	atgaagtctt			700

<210> 1344

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1344

ccagggttgg	ctccaactcc	tgactttggg	tgatccgccc	acgttggcct	cccaaagtgt	60
tgggattaca	ggcatgaacc	actgtgcccc	gctgagccta	ctttcttctg	gtctttttct	120
catgcctccc	caccaccacc	ccagccccc	gccattacat	acgtatatat	gtttattttt	180
tttttaaga	gatgaagtct	tgtctctgtg	cccaggctgg	taggctgatc	tcaaactcct	240
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ttctttgatt	aacactcata	tactggtttt	attttattat	tttatatttt	tagctacagg	420
gtctcactct	gtgcccagag	ctggagtgc	gtggcatgat	catgactctg	caaccccgaa	480
ctcctgggct	caagggatcc	tcccaactca	gcctcccaag	aagttaggat	tacaggcaca	540
tgctaccaca	ccctgcta	ttttttta	taattttttt	cttccttttt	tttttttttt	600
tttttttgta	gaaccagtgt	gtgttaggcc	attcttgc	tactataaag	aaatacctga	660
gactgggtaa	tttattaaga	aaagaggttt	aattgactca			700

<210> 1345

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1345

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ctcccaactc agcctcccaa gaagttagga ttacaggcac atgctaccac accctgctaa 60
tttttttaaa ttaatttttt tcttcctttt tttttttttt ttttttttgt agaaccagtg 120
tgtgttaggc cattcttgca ttactataaa gaaatacctg agactgggta atttattaag 180
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ctgctcagct tctagggagg cctcagggag cttttactca cagtgggaagg tgaaggggga 300
gcaggtgtgt cacatggtaa agacaggagc aagggtggggg gaggtgccac acccttaaac 360
aaccagattt ctcaagaact cacttattat ggtggggaca gctccaagcc atgagggatc 420
tgccccatg accaaaacac ctcccagcag gccccacctc caacattaga gattacattt 480
ccacatgcga tttggacagg gataaatatc cagactatgt cattttgccc ctggccctcc 540
taaattctcat gtccttctca agttgcaaaa tacaatcatg ccttcccaag agttcccca 600
agtcttaact cattccaatg ttaactccaa agcccaaaat tcaaagtctc atctgagaca 660
aggcaagtct cttccaccta tgagcctata aaatcaaaaa 700

```

<210> 1346

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1346

```

ggataaatat ccagactatg tcattttgcc cctggccctc ctaaattctca tgtccttctc 60
aagttgcaaa atacaatcat gccttcccaa gagttcccca aagtcttaac tcattccaat 120
gttaactcca aagcccaaaa ttcaaagtct catctgagac aaggcaagtc tcttccacct 180
atgagcctat aaaatcaaaa acaagctata tacttccaag ttacaatggg tgtataggca 240
ttgggtaaac atgcccattc caaaagagaa attggccaaa agaaaggggc tacaagctcc 300
atgcaaattc aaaaccacgc agggcaatta ttaaattgta aagctccaaa gtaatcttct 360
ttgactccgt gtcccatatc cagggtcac tggtgcaaga agtgggctcg caaggccttg 420
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caggtctgga ggggtggtgac ccctttctca cagctccacc aggcagttcc ccagtggaga 600
ctgtgtgggg ccttcaaccc cacatttccc ctccaaactg ccctagtagg gggtctctgt 660
gaggggtcca cccctacagc aggcttctgc ctgggtaccc 700

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<210> 1347

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1347

```

tccaggcaca ggggtgcaagc tgccagtgga tctaccattc tcaggtctgg aggggtggtga 60
cccccttctc acagctccac caggcagttc cccagtggag actgtgtggg gccttcaacc 120
ccacatttcc cctccaaact gccctagtag gggttctctg tgagggttcc acccctacag 180
caggcttctg cctgggtacc ctggctttct tgtacatcct ctgaaatcta ggtagaggct 240
gccaaagcctc cttcactctt acagtctgca tgccctgcat cttaacacca catggaagct 300
gccaaagcat atggcttttg ctctttggag cagcagcctg agctgtacct gagggccctt 360
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cagagccatg gggtcctagg cctagcccat gaaatgattc ttctcctag gtctctgggc 480
ctgtgcctgt gatggcaagg gctgcccctg agatctctga aatgccttca aggccttttt 540
cccattgtct tagctattag tacctggctc tcttttagtt attcaaattt ctctagcaag 600
tggttgctcc acagcctgct tgaattcctc tactgaaaat gcttctgctt tctctatcac 660
atggccaggc tgcaaatttt ctaaagtttt acactctgct 700

```

<210> 1348

<211> 700

<212> DNA
 <213> Homo sapiens

<400> 1348
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 gtacctggct ctcttttagt tattcaaatt tctctagcaa gtggttgctc cacagcctgc 120
 ttgaattcct ctactgaaaa tgcttctgct ttctctatca catggccagg ctgcaaattt 180
 tctaaagttt tacactctgc ttccccctta aatataactt ctaactttta gtcatttttt 240
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 tgcttagaaa tttcctctgc cagataccct agttgtcact ctgaagttca aacttccaca 360
 gatccttaca gcatgaacaa agtgcagcca agttcctttg taggccataa tgagggtggc 420
 ctttgctcca tttctagggt cctcatttcc atctgagacc tcatcagcca cgccttcact 480
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 ttctgagaat acagaagtgc tcctcatgga acttacagtc tagtggagga agaaggacaa 600
 taaatgcaac aaagaagtaa attagtcagg atgtcagaga gtgataagtc ccatggagaa 660
 aaatgaagca ggagaaaaat gaagcaggga tgcataaagt 700

<210> 1349
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1349
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 ctctcatggt aacttacagt ctagtggagg aagaaggaca ataaatgcaa caaagaagta 120
 aattagtcag gatgtcagag agtgataagt cccatggaga aaaatgaagc aggagaaaaa 180
 tgaagcaggg atgcataaag ttagttcaga gagagaacag gatacaattt taaatagtgt 240
 ggtcagataa ggggtttatta aggaggtggc atttgggcca agacactaag gaagtaagag 300
 aacaagctat gtatagatgt gggaagagca ttctaggaa gaggggaacaa gtatctaata 360
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 tagggcccta taaactggat gaccactgtc aaatgaaatt aaggctgttg aggcagaaat 540
 gatttgataa aagtttattg gaagccaaat gtgaggatga acccaggaaa acacaccaac 600
 aaagttgaga gtgttctgga gtctgttaca agttggaaa gtagaagaca ggagggggac 660
 tcttcataca ggagttgtcc tttttcactg gaggttaca 700

<210> 1350
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1350
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 ggaagccaaa tgtgaggatg aaccagga aacacaccaa caaagttgag agtgttctgg 120
 agtctgttac aagttggaaa gttagaagac aggaggggga ctcttcatac aggagttgtc 180
 ctttttctact ggaggggtaca atacaaaggt tacaataatt ggctacagat tgcaacatgc 240
 agactaacat gtctacatgc aagacaatca gtaaaatgtt atgactcaga aataaatcag 300
 tgtccttttc agtgtcagta ggtggtgcat tgatcagtac atcaacaatt tgaggaactt 360
 ctaagattcc ttactcagga caaggatatg ccatgaatca caagaccttc ccaagatggg 420
 ttaattttgga agctgtttac ttttaaagta aactgtcaaa tgtgacctgt aggttattgc 480
 catatataat ttgtcatcca aattaggaga cttctagaat gaaagttgga ggtgaggggt 540
 attaatacatt aacactaggg ctggttgccg tggctcacgc ttgtaatccc agtactttgg 600
 gaggtgagg caggcagatc acgaggtcag gggattgaga ccatcctggc caacatgggt 660
 aaaccccggt ctctactaaa aaatacaaaa aaaaaaaaaa 700

<210> 1351
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1351

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aaattaggag acttctagaa tgaaagttgg aggtgaggggt tattaatcat taacactagg 60
gctgggttgc gtggctcacg cttgtaatcc cagtactttg ggaggctgag gcaggcagat 120
cacgagggtca ggggattgag accatcctgg ccaacatggg gaaaccccggt tctctactaa 180
aaaatacaaa aaaaaaaaaa atttagctgg gcatgggtggc acatgcctgt aatcccagct 240
actcagaagg ctgaggcagg agaattgctt gaaccagggg gtcggagggtt gcagtgaact 300
gagatcatgc cactgcactc cagcctggca acagagcgag actccgtctc aaaaaaaaaa 360
aaaaaaaaag ttaacactag ttcagtggag agaagccagg actgtgctgg acaaactctg 420
acgtgtaatc attctactta tagaccattg taaggacttg ggctttcaaa aaatctgact 480
gagatgggaa gcgattggaa ggttttgagc agaaaagtaa catgatgtga ttgagatata 540
cctgactact atgctgagag tagattgaag gggcgtagga gcagccttaa tgaagaagga 600
ttggctgggg gctaacagaa tgcaggggag aaactggatt ctgcatatgt tgaaattatg 660
gcaaaagatt ttattgacag attggatgtg gagtacaaga 700

```

<210> 1352

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1352

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aggtttttag cagaaaagta acatgatgtg attgagatat ccctgactac tatgctgaga 60
gtagattgaa ggggcgtagg agcagcctta atgaagaagg attggctggg ggctaacaga 120
atgcagggaa gaaactggat tctgcatatg ttgaaattat ggcaaaagat tttattgaca 180
gattggatgt ggagtacaag aggaagagca gccaggaaaa taaagtttcc atttactgag 240
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tatgtgagcc tggagtccac tctctctatg tgttggtggg catcagtga gagatgatat 420
ttaaatcatg agactggatt ttttaaaaag gaagaggact gaagactaag ttctggggcac 480
tccaattttg ggcagtagcg gagatgaaga aaaaccagca cactagatgg taaaggagca 540
gccaacaagg taagaggaaa accaagcaag tgtcattttt gttgattttt ttgatacaga 600
gtctcactct gtcactcagg ctggagtga atgacacaat ctcggtcac tataacctct 660
gccttctggg tccaagtgtt tttcttgctt cagcttccca 700

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<210> 1353

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1353

```

ggagatgaag aaaaaccagc aactagatg gtaaaggagc agccaacaag gtaagaggaa 60
aaccaagcaa gtgtcatttt tgttgatttt tttgatacag agtctcactc tgtcactcag 120
gctggagtgc aatgacacaa tctcggtcct ctataacctc tgcttcttgg gtccaagtgt 180
ttttcttgcc tcagcttccc aagtagctgg gactgcagggt gtgtgccacc acgcctggcg 240
caagtgtcat gtagaaagca gttcaaggat gaaagagaaa tgagtttgtc aaatgccttg 300
agaggtcagg taagatgatg actgtgaatt gactattgaa ttcagaaaca tgcaggtcac 360
tgcgacctt gatagagggt ctctggtgaa aggtgagggc taaagcttaa ttgtagtggg 420
gccaagtga aattggaaga acaaagttga aagtagcaag tagatatagc aatcttccaa 480
ggagtttcac tgctaaggga caggagaaa tggggcagga gctgacagca gaaactgggt 540
caagagagag cttttacagc ctctttgcat actgaatggg aaagatccag tagagaggga 600
aaagatttat gatgggggag tcaggagaat tgctagagca acatgtgctc ctaatttcat 660
cccaaatctg ctcttctctga agtcctcccc aactcagtaa 700

```

<210> 1354

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1354

```

acagggagaa atggggcagg agctgacagc agaaactggg tcaagagaga gcttttacag 60

```

```

cctcttttgca tactgaatgg gaaagatcca gtagagaggg aaaagattta tgatggggga 120
gtcaggagaa ttgctagagc aacatgtgct cctaatttca tcccaaatct gctcttcttg 180
aagtcctccc caactcagta aatggaaaact ttattttcct ggctgctctt cctctcgtag 240
tccacatcca atctgtcaat aaagtctttt gccataattt caacatatgt agaatccagt 300
ttcttgcttg tattctgtta gccccagcc aatccttctt cattaaggct gctcctacgc 360
cccttcaatc tactctcagc atagtagtca gggctatctc aattacatca tgttactttt 420
ctgctgttgg taagggagta ggggggtgggg gaggggtaag aagtatataa ggctggggcc 480
gggcacagtg gctcacacct ataatcccag cactttggga ggctgaggca ggccaatcac 540
ttgagcccag gagttcagta ctagcctagc caacatggca aaaccctgtc tctactaaaa 600
atacaaaaat tagctgggta tgggtggtgca tgctgtaat cctagctact tcggaggctg 660
aggcatgaga atcgtttgaa cctgggaggc agaggttgca 700

```

```

<210> 1355
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1355
tataatccca gcactttggg aggctgaggc aggccaatca cttgagccca ggagttcagt 60
actagcctag ccaacatggc aaaaccctgt ctctactaaa aatacaaaaa ttagctgggt 120
atggtggtgc atgctgttaa tcctagctac ttcggaggct gaggcagtag aatcgtttga 180
acctgggagg cagaggttgc agtgagccac tgcactccag cggggaggag agaccattca 240
ggagaaacgg gagaaaagac agaggggtgt ggtacagatg gagttaggct ggtggattat 300
gctgcttgta gaggttctct ccattgcttc tattttctag gtgaaatagg aagccaaggc 360
acagctgagg gtgatcatgg gggaggagggt gatggagttc tgaagagaaa gaaggtcttc 420
caggatagag aatgaaccag ggcaattagg atcctcttga agtcaactgat ggtcagttta 480
aagtgaacac agtcagatgg aatatatttt ccactctacat ttggctatgc aggtgctagc 540
aagaagtagg agggaggtta gatttaacca gctttatagt tcccacaaa agcaaggcag 600
ataagaaagg ggcaagggaag atgattatga tgattaagca tgggaatttaa gctggccaag 660
aaggggtgtg aggacatgag taagatgaga gatagcaaaa 700

```

```

<210> 1356
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1356
gaatatattt tccatctaca tttggctatg caggtgctag caagaagtag gagggagggt 60
agatttaacc agctttatag tttcccacaa aagcaaggca gataagaaag gggcaaggaa 120
gatgattatg atgattaagc atggaattta agctggccaa gaaggggtgt gaggacatga 180
gtaagatgag agatagcaaa aacgtggaca tctttgccag gtatggagcc aaacacagta 240
tgcattgtct catgtaatcc ccacccaaat ggaattgtta tcatccctct ttacagatga 300
agaagctgag ttttagggaa gactgttaact tgcacaaagt cacacagctg atagagaagt 360
gacacacca gcatcaggtc ctggaacact tgtctccaaa ggctatgtac ttagccctat 420
ttgctttaac tggagtatta gtgggcatta caaaaattga tgcatatgta caaaggatgg 480
taattttgtc cagtatgttt ttgttaatac ttttccaact tgagttaatt ttaagatttt 540
ctgtttgtaca gaattcttta aaagtttata gtaaaatcta tttatcttca atttcctatt 600
catcttaaaa ttaaatgtca cctatatttt cttctagctt ttgatttatt tactcttggc 660
tctattttat ttacatttat tacatttggc tctttagttg 700

```

```

<210> 1357
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1357
tttgtaata cttttccaac ttgagttaat ttttaagattt tctgttgtag agaattcttt 60
aaaagtttat agtaaaatct atttatcttc aatttcctat tcatcttaaa attaaatgtc 120
acctatattt tcttctagct tttgatttat ttactcttgg ctctatttta ttacattta 180

```

```

ttacatttgg ctcttttagtt gatcaggaat taatttggta tgtgggttat ggtgggatac 240
tatttattcc cccagttttt ccattttttac cagttcttca gcttgctgat tgtcccagca 300
ccagtcttca acaatgtatc attttcttga taatttataa ttcattctta tcatatgtta 360
caatttttca acacttgggt ctgtttctgt gatacctctt ctatttcgtt gattgattta 420
tcttttgtgt gtgtgtctgt gtgtgtgtgt gtgtgtttgt gtgttttcca ggaaacccag 480
agtagttagt tcattgtgtg tttttatata tgtaagagaa catttcccct tatcaatgat 540
ctttttcaaa aatttcttaa acatattaca tatttctttt ttcagatgct ctttacaaat 600
attttttaac ttcttaaaat atctcattga ggattccgtt ccaagatggc caaataggaa 660
cagctctggg ctgcagctcc cagtgtgatc gacgcagaag 700

```

<210> 1358

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1358

```

gtttttatat atgtaagaga acatttcccc ttatcaatga tctttttcaa aaatttctta 60
aacatattac atatttcttt tttcagatgc tctttacaaa tattttttta cttcttaaaa 120
tatctcattg aggattccgt tccaagatgg ccaaatagga acagctctgg tctgcagctc 180
ccagtgtgat cgacgcagaa gacggatgat ttctgcattt ccaactgagg tacctgggtc 240
atcttactag gactggtttg acagtgggtg cagcccacgg agggtgagcc gaagcagggc 300
aggcatcgc ctcacctggg aagcgcaagg agtcagggga tttccttttc ctagccaagg 360
gaagccgtga cagatggtac ctggaaaaac gggacactcc tgcccaaata ctgcgctttt 420
ccaaagtctt agcaaatggc acaccaggag attatatcct gtgcctggct cgacagatcc 480
tatgtccatg gagccttgct cactgctagt gcaacagtct gagattgacc tgcaaggcag 540
caacctggca tggggagggg catccgccat tgctgaggct tgagtaggta aataaagtgg 600
ctgtggaagc tcgaactggg tggagcccac cacagctcag caaggctgac tgccctctga 660
gtctccacct ctggggcagg gcatagctga acaaaaagca 700

```

<210> 1359

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1359

```

tactgctag tgcaacagtc tgagattgac ctgcaaggca gcaacctggc atggggaggg 60
gcatccgcca ttgctgaggc ttgagtaggt aaataaagtg gctgtggaag ctcgaactgg 120
gtggagccca ccacagctca gcaaggctga ctgcctctgt agtctccacc tctggggcag 180
ggcatagctg aacaaaaagc agcagaaact tctgcagact taaacatccc tgtctgacag 240
ctctgaagag agcagtgggt ctcccaggat ggtgttttag cttggagaac agacagactg 300
cctcctcaag tgggtccctg acccccattgt agcctaactg ggagacacct cccagtagcc 360
gactgacacc tcatacaggc aggtgccccct ctgggatgaa gcttccagag gaaggatcac 420
tcagcaatat ttgctgttct gcaatatattg ctgttctgca gcctctgatg gtgataccca 480
ggcaaacagg tctggagtag acctccagca aactccaaca gacctgcagc tgagggacct 540
cactggtaga aggaaaacta acaaacagaa agaaatagca tcaacatcaa caaaaaggac 600
atccacacca aaaccccatc tgtaagttac caacatcaaa gaccaaaggt agataaaacc 660
acaaagatgg ggagaaacca gagcagaaaa gctgaaaatt 700

```

<210> 1360

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1360

```

gacctccagc aaactccaac agacctgcag ctgagggacc tcaactggtag aaggaaaact 60
aacaacaga aagaaatagc atcaacatca acaaaaagga catccacacc aaaaccccat 120
ctgtaagtta ccaacatcaa agaccaaagg tagataaaac cacaaagatg gggagaaacc 180
agagcagaaa agctgaaaat tctaaaaacc agagcacctc ttctcctcca aaggatcaca 240
actccttgcc agcaatggaa caaagctggg tggagaatga ctttgacgag ctgacagaag 300

```

```

tggacttcag aaggtcagta ataataaact tctcccagct aaaggaggat gttctaaccc 360
atcgcaagga agctaaaaac cttgaaaata gattagacga atggctaact agaataaaca 420
gtgtagagaa gaccttaaat gacctgatgg agctgaaaac catggcacga gaactttgtg 480
acacatgcac aagcttcaat agccgattcg atcaagaaag gatatcagtg attgaagatc 540
aaattaatga aataactcaa gaagattaga gaaaaaagag taaaaggga cgaacaaagc 600
ctccaagaaa tatgggacta tgtgaaagac caaatctacg tttgattggg gtacctgaaa 660
atgacagggg gaatggaacc aagttggaaa acactcctca 700

```

<210> 1361

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1361

```

tagccgattc gatcaagaaa ggatatcagt gattgaagat caaattaatg aaataactca 60
agaagattag agaaaaaaga gtaaaaggga acgaacaaag cctccaagaa atatgggact 120
atgtgaaaga ccaaatctac gtttgattgg tgtacctgaa aatgacaggg agaatgggaa 180
caagttggaa aacactcctc aggatattat caaggagaac ttccccaact tagcaaagca 240
ggccaacatt caaattcagg atatacagag aatgccacaa agatactcct caagaagagc 300
aaacccaaga cacataattg gcagattcac caaggttgaa atgaaggaaa aaatgttaag 360
cgcagccaga gagaaaggtc gggttacgca caaagggaag cccatcagac taacagcgga 420
tctctcggca gaaaccctac aagcccgaag agagtggggg ccaatattca acattcttaa 480
agaaaagaat tttcaaccca gaatttcata tccagccaaa ctaagcttca taagtgaaga 540
ataaaatcct ttccagacaa gcaaagtctg agagattttg tcaccaccag gcctgccccta 600
aaagagctcc tgaaggaagc actaaacatg gaaaggaaaa accggtacca gccactgcaa 660
aaatatgcca aattgtaaag accatcgatg ctatgaagaa 700

```

<210> 1362

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1362

```

agaatttcat atccagccaa actaagcttc ataagtgaag aataaaatcc tttccagaca 60
agcaaagtct gagagatttt gtcaccacca ggccctgccct aaaagagctc ctgaagggaag 120
cactaaacat ggaaaggaaa aaccggtacc agccactgca aaaatatgcc aaattgtaaa 180
gaccatcgat gctatgaaga aactgcatga actaacaagc aaaataacca gctaacatca 240
taatgacagg atcaaattca cacataacaa tattaacctt aaatgtaaat gggctaaaatg 300
ccccaattaa aagacacaga ctggcaaatt ggataaagag tcaagaccca tccgtgtcct 360
gtattcagga gacctatctc acgtgcagag acacacatag gctcaaaata aagggatgga 420
ggaagatcta ccaagcaaat ggaaagcaga aaaaagcagg ggttgcaatc ctagtctctg 480
attaacaga ctttaaacca acaaagatca aacgggacaa agaaggccat tacataatgg 540
taaagggatc aattcaacaa gaagagctaa ctatcctaaa tatatatgca cccaatacag 600
gaacaccagc attcataaaa caagtcctta gagacctaca aagaaactta gactcccaca 660
caataataat gggagacttt aacaccccac tgtcaatatt 700

```

<210> 1363

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1363

```

aacaaagatc aaacgggaca aagaaggcca ttacataatg gttaaaggga caattcaaca 60
agaagagcta actatcctaa atatatatgc acccaataca ggaacaccca gattcataaa 120
acaagtcttt agagacctac aaagaaactt agactccac acaataataa tgggagactt 180
taacacccca ctgtcaatat tagacagatc aatgagacag aagggttaaca aggatatcca 240
ggacttgaac tcagatctgc accaagcaga cttaatagac atctacagac ctctccaccc 300
caaatgaaca gagtatacat tctttctcagc accacatcac acttattcca aaattgacca 360
catagttgga agtaaagcac tccttagcac atgtaaagga acagaaatca caacaaactg 420

```

```

tgtctcagac cacagtgcaa tcaaattaga actcaggatt aagaaactca ctcaaaactg 480
cacaactgca tggaaactga acaatctgct cctgaatgac tactgggtaa ataacgaaat 540
gaaggcagaa ataaagacgt tctttgaaaa caatgagagc aaagacacaa cgtgccagaa 600
tctctggaac acacttaaag cacggtatat agggaaattt atagcactaa atacccacaa 660
gagaaagcag gaaagatcaa aatcaacacc ctaacatcat                                     700

```

<210> 1364

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1364

```

aacaatctgc tcctgaatga ctactgggta aataacgaaa tgaaggcaga aataaagacg 60
ttctttgaaa acaatgagag caaagacaca acgtgccaga atctctggaa cacacttaaa 120
gcacggtata tagggaaatt tatagcacta aatacccaca agagaaagca ggaaagatca 180
aaatcaacac cctaacatca taattaaaag aactagagaa gcaagagcaa acaaattcaa 240
aagctagcag aaggcaagaa ataactaaga tcagagcaga actgaaagag atagagacac 300
aaaaacttca aaaaaatcaa cgaatccagg agctcgtttt ttgaaaagat caacaaaatt 360
gatagactgt tagcaagact aataaagaag aaaagagaga agaatcaaat cgatgggtata 420
aaaagtgata aaggggatgt caccaccaat cccacagaaa tacaaactac catcagagaa 480
tactataaac acctctacac aaataaacta gaaaatctag aagaaatgga taaattcctg 540
gacacataca gcctcccaag actaaaccag gaagaagttg aatctctgat tagaccaata 600
acaggctctg aaattgaggc agtagttaat agcccaccaa ccaaaaacag tccaggacca 660
gacagattca cagccaaatt ctaccagagg tacagaggag                                     700

```

<210> 1365

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1365

```

caaataaact agaaaatcta gaagaaatgg ataaattcct ggacacatac agcctcccaa 60
gactaaacca ggaagaagtt gaatctctga ttagaccaat aacaggctct gaaattgagg 120
cagtagttaa tagcccacca accaaaaaca gtccaggacc agacagattc acagccaaat 180
tctaccagag gtacagagga gctggtacca ttctttctga aactattcct agcaatagaa 240
aagagggaat cctccctaatt tcattttatg aggccagcat catcctgata ccaaagcctg 300
gcagagacac aacaaaaaaa agagaggccg ggcgcggtgg ctacgcctg taatcccagc 360
actttgggag gccgaggcgg gtggatcatg aggtcaggag atcgagacca tcctggctaa 420
caaggtgaaa ccccgctctc actaaaaata caaaaaaatt agccgggcgc ggtggcgggc 480
gcctgtagtc ccagctactc gggaggctga ggcaggagaa tggcgtgaac ccgggaagca 540
gagcttgtag tgagccgaga ttgcgccact gcagtccgca gtccggcctg ggcgacagag 600
cgagactccg tctcaaaaaa aaaaaaaaaa agagaatttt ataccaatat ccctgatgaa 660
catcgatgca aaaatcctca ataaaatact ggcaaaccga                                     700

```

<210> 1366

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1366

```

cgggaggctg aggcaggaga atggcgtgaa cccgggaagc agagcttgca gtgagccgag 60
attgcgccac tgcagtccgc agtccggcct gggcgacaga gcgagactcc gtctcaaaaa 120
aaaaaaaaaa aagagaattt tataccaata tccctgatga acatcgatgc aaaaatcctc 180
aataaaatac tggcaaacccg aatccagtag cacatcaaaa agcttctcca ccacgatcaa 240
gtgggcttca tccctgggat gcaaggctgt ttcaacatat gcaaataaat aaacataatc 300
catcacagaa acagaaccaa tgacaaaaac cgcttgatta tctcaataga tgcagaaaag 360
gccgtcgaca aaattcaaaa gcccttcatg ctaaaaactc tcaataaact aggtattgat 420
agaacgtttc tcaaaataat aagagctata tatgacaaac ccacagccaa tatcatgtgg 480
aatgggctaa agctgttgac ctgatagata tgggttcaag aggacacagc tgaatactgt 540

```

```

gcttaggaaa agaacagttt caaaggcttt ccagattgtc agatttgatg atatcctcct 600
tgggtgcacac ctctcttggc tatggggcac ataaaccacc tctaccaatc taactgggtt 660
gtgcagtttt tctgattttg tatctaccgg caaaatatat 700

```

```

<210> 1367
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1367
cctgatagat atgggttcaa gaggacacag ctgaatactg tgcttaggaa aagaacagtt 60
tcaaaggctt tccagattgt cagatttgat gatatcctcc ttgggtgcaca cctctcttgg 120
ctatggggca cataaaccac ctctaccaat ctaactgggt tgtgcagttt ttctgatttt 180
gtatctaccg gcaaaatata tcttaagcca tttttaggaa acaggagggt tagtcacgtg 240
ctcaacaaaa gcacaacaaa tggggagcat ttaatgggtg aagggtctgtg aggtgtagct 300
gctgaaactg tagctaggag ctgccttgct gccttcttgc aggcagattg gccagatgag 360
ccaggctaaa atacaattaa tatctaccat tgtggtttta tatgaaatat ggatacctgg 420
tctttgtctc agttcttgtc atagagttcc ccaaaccctt agaacttcct gagtggtagg 480
aatatctcat tagtgataat gagccctttt gattcgataa ctctgagtt tatgctaata 540
aggttactta atgtggggcc ctagatattc ttaggatggg gctagttccc ggaaagacca 600
ggtcatttga ggattagagg gttggaactt ttagctctac ccactgatct ctgggtgggg 660
aagggtgctg agatcaagct gcctaaaaac tcttgaacaa 700

```

```

<210> 1368
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1368
tgagccctt tgattcgata actcctgagt ttatgctaata gaggttactt aatgtggggc 60
cctagatatt cttaggatgg ggctagttcc cggaaagacc aggtcatttg aggattagag 120
ggttggaact tttagctcta cccactgatc tctgggtggg gaagggtgctg gagatcaagc 180
tgccataaaa ctcttgaaca acaagatttg aggagcttcc agtaaatacg tccacaagct 240
gggagggcac tgcacccag tttcactggg acagaagctc ttgcacttgg aatctttcca 300
gacctagccc ttcattgctg ttcattctgg gccttctctg tatectttat aataaattgg 360
caaatgtaaa ggttttagctg aatttggtga gcctttctag aaaattaatt gaacctaaga 420
aggggtctgt ggaaaccctg gttttagtgg ggtaggtcag aggtgcgtgt ggcttggatg 480
ttcgaatggc atctgaagag ggacagagca cacaacctgt gggatctgac actatctccc 540
cgcagatagg gtcagagctt aattctatta gagaacacc cattgggtatc tgctggagaa 600
ttacttggtg tatgagaagc ccccaccac atctgggtcac agaagtattg tgggttgagt 660
gtgacagtagc agggtaaaaa gtggtttgtt ttttctcta 700

```

```

<210> 1369
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1369
gggacagagc acacaacctg tgggatctga cactatctcc ccgcagatag ggtcagagct 60
taattctatt agagaacacc ccattggtat ctgctggaga attacttggg gtatgagaag 120
ccccccacca catctggtca cagaagtatt gtgggttgag tgtgacagta cagggtaaaa 180
agtggtttgt ttttctctc aacagtgatc actcctctc aaaggagtgt ggaagggttt 240
ctggatagga atactgcata taatcatttg gttcacttca gaaactacta taattttgac 300
tgtgctgggt cacttcacac tgtacaaaca cacacacata cacacacatt gttgtcacct 360
aatatttgcg ttaatacaat gatgttattt ttatttggat agtatttcta tgattggaaa 420
tgagtgttaa tctttatatg tattttacca gtccttgact aacatgtttt caagacatct 480
taccaatcca tttcattgaa ttaatgagta aggagactct ctagaaatgg ttggtttgta 540
aagcaaggac attatctgga agaatactcc agagtttact gtatgacgag catttcttga 600
tagcaagggt cattttgggt tcaatcggtt cagtcagtcc atttcagtgg gaacaacgaa 660

```

tttctccaca gggctcttatt tttctgtttt tcacttcacc

700

<210> 1370

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1370

attaatgagt	aaggagactc	tctagaaatg	gttggtttgt	aaagcaagga	cattatctgg	60
aagaatcatc	cagagtttac	tgtatgacga	gcatttccttg	atagcaaggt	tcattttggt	120
gtcaatcggt	acagtcagtc	catttcagtg	ggaacaacga	atttctccac	agggctcttat	180
ttttctgttt	ttcacttcac	caaatggggg	agatattttt	tcagaatgca	gttattagaa	240
ccttgggatt	ttcttctgtc	tccattgagt	ctcttgtttt	tttcccagat	ctgaacctga	300
aaataaaata	gatgctaagg	aaaattaaat	attcaagact	ttcctcctca	aaatgctcca	360
tccaaattga	cattgaaaaa	tatttctcca	atcaatgaac	aagtaactat	ttgaactcta	420
atgagaacct	catggtgtag	atctaataat	ttatgctttt	aaacatctga	ggctactttc	480
ttaattaagc	atagaagcca	gaatttaaac	tctttcacag	ttttcccaag	caaaggatag	540
agagggaggc	atgaaattct	tggcaattaa	agttgatact	gaagtagttc	tatcattaga	600
agaaaacaac	ttatcaacaa	tgggcacttt	ttgctataaa	tgttctgtca	gggatcagaa	660
ttaattcata	tgcagagtta	cctttatcaa	ggccaggcac			700

<210> 1371

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1371

agaattttaa	ctctttcaca	gttttcccaa	gcaaaggata	gagagggagg	catgaaattc	60
ttggcaatta	aagttgatac	tgaagtagtt	ctatcattag	aagaaaacaa	cttatcaaca	120
atgggcactt	tttgcataaa	atgttctgtc	agggatcaga	attaattcat	atgcagagtt	180
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tgaatatatcc	catatagcag	atgggaatac	tgaagcttag	tgaatattaa	gtgatatgcc	300
caaatttttg	cagtagattt	gggattttaa	gccaggcagt	gttactcgaa	actctaaact	360
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agtgataaaa	gcttcttttg	ttctaattag	gcaacccttg	gctgggccct	tagatagctt	540
caggggtggg	gctggtcacc	agaagactaa	gcctggatta	gaagcctgga	acctctgggg	600
agaggagaga	ggctggggat	agacttaata	atccatcatg	ccaacatgac	taaacctcca	660
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<210> 1372

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1372

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tagacttaat	aatccatcat	gccaacatga	ctaaacctcc	atgaaaacct	ctaaatgatg	180
gggtttggag	aacttccgag	ttggtgacca	catccacatg	ccaggagggc	agtgcacctt	240
aactccgtag	ggacagaacc	tctgcactca	ggaccttccc	agacctctct	gtatgtacct	300
cttcatctgg	ctgttcattt	gtatcctttg	taagaaaccg	ctagtggcca	gtgttctgag	360
tgtctgtgagt	cattctagca	aataatcaaa	cccaaggagg	ggattttgtg	gaaccccaga	420
cttggttagca	aagtcagaga	gaaatgtggg	taacctgggg	acctgacatt	tgtgagtggc	480
aagtgaagca	aggcagtatt	gtgggactga	gtctttacac	ctgtggagtc	tgatgctaaa	540
tttaggtatt	gtcaaaattg	aactgcatta	taggacactc	aataggtgtc	agaattgggt	600
tgcgtcaaga	agaaaaaccc	ttgcgcaatc	tcataagcca	aaaaaagatg	ttgaattggt	660
ttatttttgc	atttccttat	taatgtggac	aaataacttt			700

<210> 1373
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1373
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 cttgcgcaat ctcataagcc aaaaaaagat gttgaattgt tttatTTTTg catttcctta 180
 ttaatgtgga caaataactt ttttcatgta tatattggac actgaagtga cttcttctgt 240
 aaactgtctg ttcttgtcct ttgctgggtt tctactgaa ttgtttgtct ttttctcact 300
 gggttactatg agctTTTTgt atattaagta tattagcctt atgtttaggt tttgtgtagc 360
 aaatatTTTc tcttggttta ttgactTTTg tctttgtggg tggtttcttt ttgccttgcc 420
 aataatttaa aaaatgtaca atcagatata tcaatctgtt cctttatggg tctttgattt 480
 tatgttatgc tcagtaagat cttctctaag gttataaaaa tgtttgtttc ctctgggtat 540
 atttatgatt ttacatTTTT aggcctaaat tttttaactg tctggatttt atcttgatgt 600
 gttttttttt tggagacgga gtctcgctct gtcacgcaga ctggagtgtg gtggcgcgat 660
 ttcggctcac tgcaacatcc accaccctgg ttcaagcgat 700

<210> 1374
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1374
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 agtctcgctc tgtcacgcag actggagtgt agtggcgcgga ttccggctca ctgcaacatc 180
 caccaccctg gttcaagcga ttctcctgcc tcagcctccc gcgagctggg attacagggg 240
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 gacagactgt tctcgaactc ctgacctcaa gcaatctgcc tgctcaatc tccctaagtg 360
 ctgggattac aggtgtgagc caccatgccc agccaatgca ttttttaaag agacaacttt 420
 ttaattttatt caaaatgtct agctgaatgt tctaatacct tttactgaat aactattccc 480
 ccttgacttt gctactTTTT attacatact gaatttttat attttcttgg gttttatcct 540
 gaactctatc ctattccatt ggtttctatt cctataccat tatcacattg ttttaattac 600
 tattgtctca caatatgctt tattactatt attattattt ttgagacaga gtctagctct 660
 gttgcccagt ctggagtgcg gtggcatgat gttggctcac 700

<210> 1375
 <211> 628
 <212> DNA
 <213> Homo sapiens

<400> 1375
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 ttattactat tattattatt tttgagacag agtctagctc tgttgcccag tctggagtgc 180
 ggtggcatga tgttggtca ctgcaacctc cacctcccgg gttcaagcaa ttctcctacc 240
 tcagcctcct gagtagctgg gactacaggt gtgtgccacc atgccagct aatttttgta 300
 ttttttagtag agacaggggt tcaccatggt ggccaggatg gtctcgatct cttgacctca 360
 tgatccgcct gcctcagcct cccaaagtgt tgggattaca ggcattgtgcc accgcgcctg 420
 gcctattatt tatttatTTT ttttgagacg gaggttttgt cttgttgccc aggcctggagt 480
 gcagtgggtg gatctcagct cactgcaacc tctgcctcct gggccaagca gttctcctgc 540
 ctcagcctcc tgagtagctg ggattacatg tgactgccac cacaccagc taattttttg 600
 tatttttagt aaagatgagg tttcacta 628

<210> 1376
 <211> 700
 <212> DNA

<213> Homo sapiens

<400> 1376

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ggctctgact aaagaatatg acagatcaga tattcctctc cacctgctcc cctcccccat 60
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tgcaaaggaa ttttaactggg actttacaac tgaataaagt atttctcaga gtcgatacta 180
atcttagcaa gaggatattg cctaaccaca cctaaaagca gcagagtcac tacagaaata 240
ttatgtttggc cttgattttct accccaccat gagttatgct actcaccagg tagcctgttt 300
tgtttttcat ttttagagac agggctctcac tctgtcacc cagggtggagt gcagtgtcac 360
aatcatagct tactatgacc tcaaactctt aggcctcaaat gatccacctc agcctcccaa 420
gtagctggga ccacaggtgt ctgccactac acttggtctaa ttttttaatt tttttagag 480
ataggagctt gctaagttgc ccagggttgg ttggaactcc tggcttcaag cagtcctccc 540
gccttgggct cccaaagtgc tgaggttaca ggcgtgagcc actgtgccc gcatgtgccc 600
tgttttaagt gtatctcctg ctgtagtccg ttacatgtgc acatctcttc tgtgtttact 660
gtgtacctgc tctatgctga gaagaatgtc ttttcaaaac 700

```

<210> 1377

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1377

```

cccagggttg tttggaactc ctggcttcaa gcagtcctcc cgccttgggc tcccaaagtg 60
ctgagggttac aggcgtgagc cactgtgccc agcatgtgcc ctgttttaag tgtatctcct 120
gctgtagtcc gttacatgtg cacatctctt ctgtgtttac tgtgtacctg ctctatgctg 180
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ggagaatgac tgcatagcac gctgagggtg gtggtaaaag aggcctgaatg gtgagctgcc 300
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ggggcagaag aggccttctca ggggaagtgc tgtttgaggt cttcagcagt tcaacagctg 420
gggaaaggta ttccaggagc gaggtagttt ggatgccatg tgcgttggtg gtgtgcttga 480
agtagagcaa acgggggtgga ggcaaatgag cctgaaaagg aaagagatgg gacaggatcc 540
tactgtggaa gagttttctg taagcagtgga gaagccacag aaggatttta agtgggccat 600
tcacattgtg ttttattttg agacagggtc tcaactgtcac ccaggctgga gtacagtggc 660
atgatcaagg ctcaactgaag cctcaacctc ccaggctaaa 700

```

<210> 1378

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1378

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aggcaaatga gcctgaaaag gaaagagatg ggacaggatc ctactgtgga agagttttct 60
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gagacagggg ctcaactgtc ccagggttgg agtacagtgg catgatcaag gctcactgaa 180
gcctcaacct ccagggttaa agcaatctc ctgcttcaac ctcccaatta gctgagagca 240
cagctgtgta aaaatttaatt tttttttttt tttgtagaga caggatgttg gccaggctgg 300
tctcgaactt ttgggttcaa gcgaagctcc catctcagtc tcccaaagtg ccgggattac 360
aggcgtgagc cactgcacct ggcctatttg tgttttagaa aaacaactgc tgggccgggt 420
gtggtggctc acccctgtaa tcccagcact ttgggaggtt gaggcaggtg gatcacgagg 480
tcaagagatt gagaccatcc tggccaacat ggtgaaaccc cgtctctact aaaaatacaa 540
aaaaatttac ctgggcgtgg tggcatgcac ctgtagtccc agctacttgg gaggctgagg 600
caggagaatc acttgaatcc cgggggcgga gattgcaggg agccgagatc gcaccactgc 660
actccagcct agtgacagag tgaaattctg tctcagaaaa 700

```

<210> 1379

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1379

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ctggccaaca tgggtgaaacc ccgtctctac taaaaataca aaaaaattta cctgggcgtg 60
gtggcatgca cctgtagtcc cagctacttg ggaggctgag gcaggagaat cacttgaatc 120
ccgggggscgg agattgcagg gagccgagat cgcaccactg cactccagcc tagtgacaga 180
gtgaaattct gtctcagaaa aacaaaacaa aacaaaaaga aacaactgct ggagagtttg 240
tgaaggatta gagggagcaa gacgggatgc tgggtgggat ggtggttggg agagcagatg 300
ctatacacac ctgtgtcccg gaggtggaaa gggtcacag ccagaggagt aaccgccctc 360
tcttctcagc tgttttgctt gcaactcgtg ttggtataaa ctgagggagc aaatgtgtgt 420
cctcttattc acgttgccct gtaagtaccc aggtgtgcag tgagcataca aaacatcaaa 480
acataatttc gtttggtgta actctggcta atcagaaact agaaggaaca gacagcttag 540
agacttaaaag ttggactagg aagaagttga caggatggat tagaagatag ccactttagg 600
ctgggtacag tggctcatgc ctgtaatccc agcactttgg gaggccgagg tgggtggatc 660
acctgaggtc aggagttcaa gaccagcctg gccaacacag              700

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<210> 1380

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1380

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gaagaagttg acaggatgga ttagaagata gccactttag gctgggtaca gtggctcatg 120
cctgtaatcc cagcactttg ggaggccgag gtgggtggat cacctgaggt caggagttca 180
agaccagcct ggccaacaca gtgaaacccc atctctacta ataatacaaa aaaatgaggc 240
aggtgtgggtg gcaggcacct gtaatcccag ctactcagga ggctgaggca ggagaatngc 300
ttgaanctgg gaggtggagg ttgcagttag ccaagatcnn gccantgcac tcnagcctgg 360
gngncagagc gagantctgt ntnannaaaa aaaaaaaaaa aaaaaaaaaa annncaacac 420
tttagagagc caaggagagg gtgtctgggt acttagggca aaagcccagt tgaggaaacg 480
ctgggcgtga cagctaactg gggatttttag tactccacct gggaatggaa ctcaaacttg 540
agctaataaa ttgaatctag aaatcagccc caaggctaga gaaagtgcct gccttgctcc 600
tagtggaagc tactagaaac tgagaagcca accctgtgtg tcataggcca ggctgtgcct 660
agctccataa ggaagctctg cgttgtgtct agccttgaga              700

```

<210> 1381

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1381

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ggggatttta gtactccacc tgggaatgga actcaaactt gagctaataa attgaatcta 60
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ctgagaagcc aaccctgtgt gtcataggcc aggctgtgcc tagctccata aggaagctct 180
gcgttgtgtc tagccttgag attcccatcc ttagataatg tgggcaccct gagattatgt 240
gaaggagggc agagaaaaac caagagcagg gtcaatgaca tggacagcaa caagcagagc 300
ccccttggca tttgtaacag aggtgaccct ttgtaactgt agcccaacaa tgttccata 360
aaagacagcc atagatttga gccaaatcat tttttgatcc atttttccaa taaataatta 420
ttacccccta gatgccagtt acagatagtt tattcattgg caaaagggtg aggtatgata 480
gccaggaggg aaagggttcag acttactgtc aatgtcatat tccacacaca gacaaaaggc 540
atgtcccatg aagcaggcac gggctgtggc tgagtttgct acataaatgt gctcagatga 600
caagcatctt aactttcact taatcctgaa ggtttttcac cctctgtttt ttgttttgtt 660
tttttttttt tgagacagaa tctcgctctg ccgcccaggc              700

```

<210> 1382

<211> 700

<212> DNA
 <213> Homo sapiens

<400> 1382
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 ttaatcctga aggtttttca cctctgtgtt tttgttttgt tttttttttt ttgagacaga 180
 atctcgctct gccgccagg ctggagtgca atggcacgat cttggctcac tgcaacctcc 240
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 gcactagcat cccagctaa tttttgtatt tttagtagag acgggggttc gccatgttgg 360
 ccaggctggg cttgaactcc tgacctaaagg tgatccgcct gcttcagtct cccaaagtgc 420
 tggaattaca ggcgtagacc actgcgccg gcctcaccca ctgtttttat aagtatcccc 480
 ctcaatttgt gttctcattg tcttcggaaa ttcaaaggct tgttgttgtt gcatgtttgc 540
 atccagagtc caggactgcc tgactgggag taaatggaaa tgtgagttgc atcttgcccta 600
 atgaagctta tgtgatgaca gacctgctta gagtctgcat gtgtcctttc catggcgtgc 660
 tctaaatctt cctactttcc tttaccatcc tgtcctcata 700

<210> 1383
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1383
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 ctgactggga gtaaatggaa atgtgagttg catcttgccct aatgaagctt atgtgatgac 120
 agacctgctt agagtctgca tgtgtccttt ccatggcgtg ctctaaatct tcctactttc 180
 ctttaccatc ctgtcctcat atacaaactg taaccacta cccatctcct gtggcagact 240
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 atttacagta tgtgtcttct ccgggtggcc tgaggagcct ccatgactct catagctatt 360
 tattgccctt ggcattgctg ttttttatgt gggcagggtg aaactggctg tggtcagggt 420
 gagactttaa gcttttgatt tgttccctta ttttgaaagg gttaaaaaga tgttacatgt 480
 tttgggtgaa ttttagtact catattaatt ttgtcacatc tctgtaagcg aggatgaaaa 540
 gagagtgttc aatcactgtt actagatcca tattcttaca gagaacaagt cttcaaaagg 600
 caagtgttga tgacacttgg gtttttttcc cccttttaat ttctttttaa taacagcttt 660
 attgagatag aattcaccta ctacgaaatt tatcctttta 700

<210> 1384
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1384
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 gggttttttc cccctttttaa tttctttttaa ataacagctt tattgagata gaattcacct 180
 actacgaaat ttatcctttt aaagtgtacg agtcagtgtc ttttagtatg ttcatagaat 240
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 caatcaatat tctatttttg cctctgtgga ttctcctgtt ctgaataatt catatcagta 420
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 gggtcatccg gggtgtggcc tctgtcagta cttcatttct ttttattgac aaataatatg 540
 ccattgtatg gatatgccac tttttgttta tccatcagtt gattgacatt ttgggtgctt 600
 ctactttttt ttttttttct ttgagacagg gtcttattct gtcgctcagg ctggagtaca 660
 gcagcgcagt catagctcat tgtagcctca acctcccagg 700

<210> 1385
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1385

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ctctgtcagt acttcatttc tttttattga caaataatat gccattgtat ggatatgcca 60
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tttgagacag ggtcttattc tgtcgctcag gctggagtac agcagcgcag tcatagctca 180
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ttgcccaggc tgggtcttgaa ctcttggcct caagtgatcc tcttgccctcg gcctcccaaa 360
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ggttccaaatt tttctacatc ttcaccaaca gttattgtct tttaaatgtt atttctttaa 660
tgaaaaaact tcatttatgc acataacaca cacacacaca 700

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<210> 1386

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1386

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ttggaattgc tggatcgtaa actattttat ccttttgagg aactgccaat tgttttccaa 60
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cttcaccaac agttattgtc ttttaaattg tatttcttta atgaaaaaac ttcatttatg 180
cacataacac acacacacac acacacacac acacacacac acacacacac acacacacac 240
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tgtttcaccc ctcttagtgc caagtcccat tcccagcaaa ccactctcca tttttatttt 360
tagtttttcc agtgactatc attataattc caaagattgc ttgattcatt atttttctct 420
ctctttttat tatgaaaact ttcaattatg tataaaagga gaatagtata accaaccccc 480
tgtacacatc cccagctgca acaactgtca acccatgacc actttttacc actgtttttt 540
gctttatcag tgttagatgt catacattga tttccctatt gaagaaagag aatttaccta 600
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```

<210> 1387

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1387

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aacaactgtc aacctatgac cacttttacc cactgttttt tgctttatca gtgttagatg 60
tcatacattg atttccctat tgaagaaaga gaatttacct aattctatca cttccaaatt 120
tttatagtaa attattttta gttcttctat tacctttgtg attttgataa atccctaaac 180
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gctatagctc ttatattatt cagtggatag caatttatag tctgttctcc aaccatcatc 360
aagtcttctg tgccttgtct attggttggt tctaagactt gagaatcaag agaatttaca 420
ttattatgac tttaaatata gttcactgta gagccatatg gtgtactgag gattacttct 480
tttttctgta gactcagtat aacaatcctt gtgccaatgg gggaagaacg ttttagacat 540
ccagttgata ctttttctgt tcagaaatat atggtaatcc atagcactct tggacccaag 600
gtgtcttatt tacatcttgt atggccttgt gttctttaat tatcttgtgt gttatgtccc 660
taactcgaga ggaacccctc cgagggggaa gtggtctttc 700

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<210> 1388

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 1388

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tcgaggggga agtgggtcttt cctgttttgc tcccatagca tttatagtct cttgggtaaac 240
taaattgatt tccctaaaag ttgcaaacca taatttcatt tgtcaagtaa acatagccaa 300
tacattaaat gccattgctg ttagattcta tatatacttt attttatgat gagttataaa 360
tatataaata cttaaannat aaagctatca aaaactcata aattaaaata ttcagctcga 420
acactttgaa tatttctctc tcatgatcgt ctttagcctt tccaagaagt ttccaacgt 480
actctggttg gcttccttca caggacagga attctgcaaa anaaacattt cattagcttg 540
cattggtaag catttgtctt gcctgcctgt ctacttgatc aagcctactg tggcacttgt 600
cacctgaaca cttataaaac caaggcctcc agtctagcct gactgggagt tgtctctatc 660
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<210> 1389

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1389

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acaggacagg aattctgcaa aanaaacatt tcattagctt gcattggtaa gcatttgtct 60
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ccaaggcctc cagtctagcc tgactgggag ttgtctctat cactaggcca gcagggtttg 180
cctatttttg gtgcatacta cttacacttc tagaaatggg tactgtatac cattacctat 240
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aggtgcttgc tcagaggggtg gaacttgaag atgctggctc agacctgccc ggtgctctac 360
tgggccttct gcatgactgc ctggactgct gagagagatt cagtcattgtg gccctcctgt 420
gccattaaac agcagcaccg cagcacagca gccctaaagg tgggaaggat tccagatgct 480
acccccaggc cactgcttca gtttgaatct cagctctacc atttattaat tgtattgctt 540
aggatgtact acttaattta taaaagcttc agtttctttt gtaaagtggg gacaattggt 600
tgctacttgg cctgcttcat aagataatgg agagaattaa aagagagaac atgtgttgtg 660
ccaagttcct atcccatgac ctatcccat gtctacaagg 700

```

<210> 1390

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1390

```

agtttgaatc tcagctctac catttattaa ttgtattgct taggatgtac tacttaattt 60
ataaaagctt cagtttcttt tgtaaagttg ggacaattgt ttgcctactt gcctgcttca 120
taagataatg gagagaatta aaagagagaa catgtgttgt gccaaagttcc tatcccatga 180
cctatcccat tgtctacaag gtgataggcc cagagagggg atacatgtcc ttgttctcct 240
ctaaagccaa ttaattcctc cactcgatat tagataacat ccactctggg ctacaaggac 300
ttctgcccc taatgattct tctctttct gctctcttca gttcttctctg ctccactgga 360
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actccataac caccctgcag ctgtgggtca gtttctctgc agccttatag ctaaacatct 480
tcaaagagtg ttctgccctc actgttcctt ctttgtctcc tctcgccacc ctatcctcgg 540
tgagccact ccagctgggc tttccttcct gcctctccat ttacatcagc ctcacccatg 600
gcctccatca gccaaaccca ggggcctttc ttggtcctca cctgacctgt cctttcagta 660
catttgacac agtcaaccct cctccttga gtgtcctcaa 700

```

<210> 1391
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1391
cactgttcct tctttgtctc ctctcgccac cctatcctcg gtgagccac tccagctggg 60
ctttccttcc tgcctctcca tttacatcag cctcacccat ggctccatc agccaaaccc 120
aggggccttt cttggtcctc acctgacctg tcctttcagt acatttgaca cagtcaaccc 180
tccctccttg agtgtcctca acggcttcct ggggtaccgc ccactctcca gtgttctcct 240
gcctcactgg tcaactcctc tcaggcccc tggtggatc ctctctcct gacctccatg 300
tggtgatctc aggtcagtc ctttgatctc tccctttctg tcattcagat tttcagcagt 360
atctatctaa ggactctcct ttttgattg caagttctga cctctcccct aagttccaga 420
cttttctaac catcttctca acaccttcac ttggctatcc aagagccacc ttacatgtac 480
gatgtacaaa attgaactct tgatcttctg ctgaacctcc agccctgcct tgccgccagt 540
ctttcatctc tctgtaaaca gtactgacca tcgccagagg ggtttgggca ggaacaaaga 600
ggtcactctt tcctcccctg tatcttacc cctacaaccg atctgtcagc aaatccttct 660
ggttttattt ttagtcatat cccaaatctg ttcacctcaa 700
```

<210> 1392
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1392
ttgatcttct gctgaacctc cagccctgcc ttgccgccag tctttcatct ctctgtaaac 60
agtactgacc atcgccagag ggggtttgggc aggaacaaag aggtcatctt ttcctcccct 120
gtatcttacc ccctacaacc gatctgtcag caaatccttc tggttttatt tttagtcata 180
tcccaaactc gttcacctca actgtcccca ttctgtccac gccaccatca tctctagcct 240
ggtttactgt ggtagcctcc caacaggcca tcttgcttca ttctgtccac gccaccatcg 300
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gccaccatca tctctagcct ggtttactgt ggtagcctcc caacaggcca tcttgcttct 420
atgctttccc cctttcagcc tatttaccac acagtagcca gactgacct tttaaatcac 480
gtaaatcaga ttgtacagtc tttgtcctgc ccaaagctct gcaggtgttc cctgccatac 540
tcgtggtgga atctaaaggc cttgtgtgat ctgctgtcct ggaaactacc cctcactcac 600
tctgatccag ccacactggc cttcctactg gtctttaaat acaggaagtt agttcatttc 660
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<210> 1393
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1393
ctttgtcctg cccaaagctc tgcagggtgt ccttgccata ctctggtgtg aatctaaagg 60
ccttgtgtga tctgtgtcc tggaaactac cctcactca ctctgatcca gccacactgg 120
ccttcctact ggtctttaaa tacaggaagt tagttcattt ccatacctaag gcctttgcat 180
acctcctcct tctgcctgga atggtctccc tagttagtca tgtggcctgc tccctcaatt 240
caaatatctg ctcagataat gtcaccagct cctaagtcag cccctcccc catgactctt 300
atgttcttta tttctatgtt tttctttgta gcacgtatca ctgctggcca tcattttaca 360
tgtttgtttt tctaactctc ccattagaac attccatgag aacagggact cggcctgcgt 420
gtcttttagtg acacgtcctc agcacctaga accacacca gcacttgagg aacttcagca 480
aatacttatt gaattgagtga atgaatgaat gggttgacca aggggtgtgc agctcccaag 540
gagtgttttag aagtgaggct gctgtccacc aggagccacg cggccggctt gccaggaata 600
cagtgcagct taccaagccc gccaggcccc agaggttcct gtcgagccgt ttcaggaatc 660
ggatcagctg cttgtgcctg tggaaactgt gtgcagtcgc 700
```

<210> 1394
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1394
 aatgaatgaa tgggttgacc aagggtgctg cagctcccaa ggagtgttta gaagtgaggc 60
 tgctgtccac caggagccac gcggccggct tgccaggaat acagtgcagc ttaccaagcc 120
 cgccaggccc cagaggttcc tgtcgagccg tttcaggaat cggatcagct gcttgtgcct 180
 gtggaactgc tgtgcagtcg cccccaggca gcgagtgtcc ttctcatggg ggctgtagaa 240
 ctgccggagc acagtgcgag ccctgcagaa ggtttccttc tcagttgtgt tctggaaaga 300
 caaatgccac agatagcaat gtgccagctc catttgaggg atgggagaga gatttttctt 360
 cttgatttct tctttccagg aggacaaatg gaggtgagtt tgctcaacta cagacctgtc 420
 ttcaagtatt ccactgaagg aaggctgctt gccacagaca taaacctctg tcaacaacct 480
 ctcccaattg caaacgcagc agccttctcc ccagaacctc ccagtttctt ttctcttgga 540
 ggattttgcc gaaaggttac ctgaataaag tcatcccatg aggaaaaggc acagtgggga 600
 ctagaatgca ggaccatctg tcgctacagc ccacgttctg cgtccgtgtc tctataacct 660
 atgagctatt ctgctatgaa aagtgccccac atgagctctc 700

<210> 1395
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1395
 cagccttctc cccagaacct cccagtttcc tttctcttgg aggattttgc cgaaagggta 60
 cctgaataaaa gtcatcccat gaggaaaagg cacagtgggg actagaatgc aggaccatct 120
 gtcgctacag cccacgttct gcgtccgtgt ctctataacct catgagctat tctgctatga 180
 aaagtgccca catgagctct cagtcagggt ctgctcttgt tcccagaggg tttaaaatcc 240
 agctttccct ggaaatcctg catgcctgtt gaataaatga gtgcacatcc tttggcctga 300
 actctgctgc tttggccagc actctccgtg tggctctccc catgggagag gagagcagca 360
 catggcccaa gtgaggagct aagacatttt gccaggcagc aagagataag tgcacagatc 420
 agggaaagggt gtccctgggag atcagaggag gctctgggag cagggtgccat tgatctgagc 480
 cttgggcaga gcttctgtaa ggggcctttt ggccccaaat gatgcggagt gagaatctcc 540
 ttggaatgcc agcaactgtg agggctctggc cacatggctc ttcttggggg cccttagcct 600
 tagagaaggg aatggacaag agacaagtca ttgggaacctc aggagagggga ttgtgtctca 660
 gtctgaacct ggcctggtgt gtcctctcat ttttactga 700

<210> 1396
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1396
 aggggccttt tggcccaaaa tgatgcggag tgagaatctc cttggaatgc cagcaactgt 60
 gagggctctgg ccacatggct cttcctgggg gcccttagcc ttagagaagg gaatggacaa 120
 gagacaagtc attgggaacc caggagaggg attgtgtctc agtctgaacc tggcctgggtg 180
 tgtcctctca tttttcactg aagaacaaag atgcagaacc tggagagggg tcttagcttg 240
 agccagttc ctttatccag ttcagataaa gaaagctatc cccagcctct ccccgacat 300
 gctctggtcc cttgatactc aaagtgtggt ccattggacca gcagcatgga catcactggg 360
 agcttcttag aaatacagaa tctcagacca cccctgcccc acccagacct tctgaatcag 420
 aagaacagtg acaagatgct caggggtttc tatcagcagc gctgtccaag cagctttcaa 480
 gttctttacat attttttttt ctgatgatca agataacata tatttactat aaaggtaaca 540
 tatattcaac aaaaatacat tcaactcatcc caccagccag aggttaactat tgctgttaat 600
 attttggtaa atatcgtaac acttttataa atacttttta aaataggggt caactgttga 660
 tactgttttg taacttcttt actctttaca tataccataa 700

<210> 1397
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1397

```

tctgatgatc aagataacat atattttacta taaaggtaac atatattcaa caaaaataca 60
ttcactcatc ccaccagcca gaggttaacta ttgctgttaa tatttttggt aatatcgta 120
cactttttaa aatactttttt aaaatagggg tcaactgttg atactgtttt gtaacttctt 180
tactctttac atataccata agcattttcct aagcccttcg gtggtattag agaacatggg 240
attgagagct gcgtagaaac gcattgcaca gtggtactgt catttgtcag gccctatcg 300
tggcagatct ttgcttctgt aaataagcgg cagttagtaa actatagaaa tctttgtgtt 360
catctcttat ttatgtaggc taaattctag gaatgcagtt catattttta cgttttttca 420
ggaaagtcta gaccagact gaggcaccag aatcccaggc tacagaagct tcccctttcc 480
cctgtggggc gtgatgtccc atgggcagag cggtagaaa gacatttact taatgaactg 540
actgagagtc actcctcggt cctgattcta gttggaaatg taagagtgtg tcagtatctt 600
tgggctctgg gggccaagaa acagacctct ctgggctttg taggcgagtc gaggtggaag 660
ggacacgggc tgatgggggg cggcagatgg tgccctgtgtg 700

```

<210> 1398

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1398

```

catgggcaga gcggttagaa agacattttac ttaatgaact gactgagagt cactcctcgt 60
tcctgattct agttggaaat gtaagagtgt gtcagtatct ttgggctctg ggggccaaga 120
aacagacctc tctgggcttt gttaggcagat cgagggtggaa gggacacggg ctgatggggg 180
gcggcagatg gtgcctgtgt gtctggaggt gggcagacat gcatgctgct gcagagggaa 240
cagttagatt caagaaaacc aaaaagtcag ccccttgctt cttttaccac aaaccttggg 300
gagatttttc tgaaacgctg gcttggagcc tggaaattaa acttaatttt gaccctgata 360
tggccacata gtataggaaa aaaccctcta aagatatattt tgaaaggact ttctaaagga 420
aacaaggata aaataagaat tgaaaagagt ctgcattaaa tggaaaaact ttaaaagaat 480
gcacctaag ggcagcttta gtgcaaggcc ttaacgtttt agttgctctg gtatcgagc 540
gagggggcga cactccatcc ctgccgtggc cctggactcc taccacctgc ctgtctagct 600
ctggctgctg agtgtgtctg ccagtggctc agggagtgca cttggacagc ctggctgacc 660
tcacagttca gaactgctta gggagtgtgact cagaaggagg 700

```

<210> 1399

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1399

```

agtgaaggc cttaacgttt tagttgctct ggtatcgag cgagggggcg acactccatc 60
cctgccgtgg ccctggactc ctaccacctg cctgtctagc tctggctgct gagtgtgtct 120
gccagtggct cagggagtgc acttggacag cctggctgac ctcacagttc agaactgctt 180
agggagtgtg tcagaaggag gcctgtccct cccgggaatg tcaggaaaca gccacttggg 240
agatttcttc tgtggcagtg actctgtgag agttctaact cggttcttga ccagcctcac 300
tgaggaccat ataaatccag cccgattggc actgcattca ttatctccca tcctgccag 360
gatagtcagc tagtgctgta tatgagaaac tccttcaaaa aacagaggta tttgaggttc 420
attatggaac tctctgtaga attatgaact ttagctctct ttggtaaata ggaaatngct 480
ccaactactt gtccacccaa gaaacccttc atcagccagc cagcttgctt cttcccactt 540
tgctgttcct cagacagcct tgacttcata gacacctga caggtgttac ctgtgaagcc 600
caggacctag accagtgcct tctttccagc aactgccaa agtagaatgc taccacactt 660
agagatacta aaattcttgt tccccgaag aaataaaatc 700

```

<210> 1400

<211> 700

<212> DNA
 <213> Homo sapiens

```
<400> 1400
agaaaccctt catcagccag ccagcttgct tcttcccact ttgctgttcc tcagacagcc 60
ttgacttcat agacaccctg acaggtgtta cctgtgaagc ccaggaccta gaccagtgcc 120
ttctttccag caactgccaa gagtagaatg ctacccaact tagagatact aaaattcttg 180
ttcccccgaa gaaataaaat caataggctg gatthttggaa agatgttttc tttgggaaca 240
caaagaagta ctttttcctc tgcataccac cttttagagt ttttgaaaat agcaacattt 300
cactgttctg aaatatctta acatgtaagt aagcagtgtc gaatcttcga ggggaagaaa 360
agagtgaaga gtgagatcgt gaactccagg aggatgaagt tcaggggagg caaatgagac 420
gggtaagagt gaaggcaggc agtggggatt attctaggag atgtttgtgt gtgtgagagg 480
gaggtgagtg aggactgagt gaagagggga gttaaggacg ggagggcagc agtgtcctgg 540
cctgcacccg ggggtcttcc agaaacagcc cagatggatt gcccagact cggcatcctg 600
gatggtttga tcctttccaa cccggtcccc tccttcttag aatcatcgct tctctgcacc 660
tgttcttgct tttaatcgtg gttatatcat ctcacaataa 700
```

<210> 1401
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1401
tgaagagggg agttaaggac gggagggcag cagtgtcctg gcctgcaccc ggggggtcttc 60
cagaaacagc ccagatggat tgccccagac tcggcatact ggatggtttg atcctttcca 120
acccggtccc ctcttcttta gaatcatcgc ttctctgcac ctgttcttgc ttttaatcgt 180
ggttatatca ttcacaata acactttgca ctaactcaag agctggattc caatcaacct 240
tgcaatcacc ttcagaatca ctttcatatc ttcacatgtg gaaactgagg tgcagagagg 300
tgtgaagatg tgctgaaggc cagccacaca gctagtcaat ggcagagctg ggtctaaaac 360
cacaggcagt cttacctcca ggcctcagc cctcaccctt cctccaggcc tggcttctag 420
tgaggtggcc ctcccttgg ctttggttag gcttctcag cagtgccaca ggcctccaga 480
gaccagtgct tcaaccggg ggactcttgg cttctagtag gagccatctc ggttggatgg 540
acttgagatg tttatacaca cacacacaca cacacacaca canananata canananata 600
natacanaca nanatatana nacacacana nanananana cacacacaca cacacacaca 660
cataaactgt tgcccagggt cagtggctaa tcccagcact 700
```

<210> 1402
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1402
tggaactctt gcttctagta ggagccatct cggttggatg gacttggaga ttttatacac 60
acacacacac acacacacac acanananat acanananat anatacanac ananatatan 120
anacacacan ananananan acacacacac acacacacac acataaactg ttgcccagggt 180
gcagtggcta atcccagcac tttgagaggc cgaggtggac ggattgcttg agcccagaag 240
ttcgagacaa gcctgggcaa aatggcaaga ctccatctct acaaaaaaat acaaaaatta 300
gccaggcgtg gtggtgcaca cctgtcgtcc cggctacttg ggaggctgag gtaggaagat 360
agcttgagcc tgggaggttg aggctgctat gagctgaaat cgcaccactg cactccagcc 420
```

```

tgggtgacag aacaagacct tatctcaaaa aaaaaaaaaa gtgtgtatatt gcccttcaga 480
atctcatcct gtatcggact cccgggataa ctaatgaaat gagatagtcc agctaaaggc 540
ccgaagagca gtttccttca tgaagcagga tgggccctgt tctatggtct gggtgctgga 600
gtgtgaccct gcccaacaca cagggttca ctccctggcca tatcatctcc ctagtttgca 660
tggaagcag gtagttagga gaccactgtg aaattgaggc 700

```

```

<210> 1403
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1403
tcccgggata actaatgaaa tgagatagtc cagctaaagg cccgaagagc agtttccctc 60
atgaagcagg atgggccctg ttctatggtc tgggtgctgg agtgtgacct tgcccaacac 120
acagggtctt actcctggcc atatcatctc cctagtttgc atggaaagca ggtagttagg 180
agaccactgt gaaattgagg ctttggggct ttcattctca gccgtgtgtt tccatgaaaa 240
caggaactga aatgcacaaa actattgata cggctgtagt catgtgtttg tcagagaaaa 300
tgactatca gctgtcaaat ctatctcctc ccactacaga tagaggggtg ggggtgaggc 360
agcacaggag gcagagaggc gaggtgcccc ggcagcccga agcagggatg tgctggacgc 420
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aggagctctg gacggcgagc cccggaaccc agagggtgt taggtggcca ggctgtggaa 540
gaggaggggc tctggcgata ccttttctgt tgccatagga agtctcttag acaaaatgaa 600
agctccctca acctgtcatc tcaatatctg tttctgtgag agtatttggt ttttcagaaa 660
tgtatgggac agaaaaattc tctcattcaa caggcattta 700

```

```

<210> 1404
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1404
ccccggaacc cagagggctg ttaggtggcc aggtgtgga agaggagggg ctctggcgat 60
accttttctg ttgcatagg aagtctctta gacaaaatga aagctccctc aacctgtcat 120
ctcaatatct gtttctgtga gagtatttgg tttttcagaa atgtatgggc cagaaaaatt 180
ctctcattca acaggcattt attgagtgcc tcctacgttc caggcactat gccaaagcta 240
agtaaaaccc aagagggtt ttctttgacc aggatctgag tcaggactac agcatgtaag 300
ctttctatta catgtcttct aaatcaagtg aaaccagaaa gacaaaaaca tgcttaagag 360
taaagatcag acttctcgtt ctttgaaaac atctaaccac ttagagttaa tttgggcccg 420
ctcgttttcc attagacaag tttcttggtc agacatttgg ggatggatcn cccatttgc 480
taaaacagac cgtgggacgg cttcttacct tggaggcagc aaagatgtct gttacggtca 540
actcgggtgca cagagtcttg gtccaggcag aaatgagaga gcaagagaca gagttaacct 600
ccaaccggac agagaagtcc ttgatgagca gctctcactc cctccaactg aggaaacttc 660
ctacaaaccc tcagaaaaaa gagtggcagg ggagaagcct 700

```

```

<210> 1405
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

<400> 1405

```

gcttcttacc ttggaggcag caaagatgtc tgttacggtc aactcgggtgc acagagtctt 60
gggtccaggca gaaatgagag agcaagagac agagttaacc tccaaccgga cagagaagtc 120
cttgatgagc agctctcact ccctccaact gaggaaactt cctacaaacc ctcagaaaaa 180
agagtggcag gggagaagcc tcgctgtgtg ccctggactg ccaccaacca ccagttccaa 240
cttctctagc agctgttaac gttttcatgc ctgaaatac tgagagcatc accagaacat 300
ctggagagat ggtgccagat aggtactcac cttctgctct gtgaggctgt tcaaagtttt 360
gatgatctcc tgtaagggtga tatcgcaact gtgtccgtgg acaaagttgc cggcacatgc 420
tagcaggaag aacagagggg gaagcagttg ggagngaga cccattaata ggtgtcgatt 480
tgcagtgaca atgtgagnca attagtttat caggagaagc taacgatnca atgctgacaa 540
agatatctct atatatagat ttaaaattgc tgaaaccgag ggaaaatgag ttacattgg 600
aaattttcgt tacaccagat tgtcagtcac ttggggccaa tcagcacctc tcttcaggga 660
gaaaaaatgc ctcacaaaca ggtaaaatgt tcctgtgaaa 700

```

<210> 1406

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1406

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aattagttta tcaggagaag ctaacgatnc aatgctgaca aagatatctc tatatataga 60
tttaaaattg ctgaaaccga gggaaaatga gtttacattg gaaattttcg ttacaccaga 120
ttgtcagtc cttggggcca atcagcacct ctcttcagg agaaaaaatg cctcacaac 180
aggtaaaatg ttctgtgaa atcagaccaa taggaaaatg aaacctttt aaaaaattaa 240
ctacaaagtt tcagcatagg aaattacacc ataatttgct ctttagatta atcttatcag 300
cttggggctg ctgctggctt tttgctttgc atagaaggga gaggccacag gtgtccgaat 360
ttgttgtaat gcagtcctcc tggggaaaga tagagtaata tcaagaaagt tttacttgaa 420
aagtatttta acctggcttc ttccaagtac aggtggcatc ttggaaactg tcctgtcatg 480
gaaaagctga tctggggctc cttctctgca tagaggcaga ataacaggca gactctccta 540
ccccagcact ggggnacaat gttctcccaa gtttaggtgt ttgagaagg acaggtcgta 600
tcaggtgagg cctagtttg gtcccagcag gtccataagg tccttacca taaggaagcc 660
cttggcaagg taggtctatt ctgaggtttc aggaatgact 700

```

<210> 1407

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1407

```

ccttctctgc atagaggcag aataacaggc agactctcct accccagcac tggggnacaa 60
tgttctccca agtttaggtg ttttgagaag gacaggctgt atcagggtgag gcctagtttg 120
gggtccagca ggtccataag gtccttacc ataaggaagc ccttggcaag gtaggtctat 180
tctgagggtt caggaatgac ttttttttt tttttctga gacagggtct cactctgtca 240
cccaggctga aatgcaatgt tgtgatcagg gatcactgca gcctcaacct cccaggctca 300
agtgatcctc ccacctcagc cccctagca gtagggtcgt gccaccgcac catgcctggc 360
tcatttttat tttattttt tgatagagat aagagtctca ctatgttgcc taggctcatc 420
tcaaattcct gggctcaagt gatcctocta cctcagctct ccaaagctct gagattacag 480
gtgtgagcca ccatgcctgg ccaggaatgc ccactttttg aatggaacct aaacacatcc 540
tcagctaatt aggaaaaaga gctacagtct taccaactta caaatcagcc ctctagtca 600

```

```
gtgccccacc acccgccctg cttgtttttt attgaattca tgtggacaca ataaggtgct 660
cattgcctca ccccagcagt gaacgtaagg accccaccac 700
```

```
<210> 1408
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 1408
gccaggaatg cccacttttt gaatggaacc taaacacatc ctcagctaat taggaaaaag 60
agctacagtc ttaccaactt acaaatcagc cctcctagtc agtgccccac caccgcct 120
gcttggtttt tattgaattc atgtggacac aataaggtgc tcattgcctc acccagcag 180
tgaacgtaag gacccaccca ctcaactcagg tgccctgggcc ctgtgcaagg ccacccacc 240
tcccagtaag ggctcatggg cagcaggatt cttgggccct gcctgcccc tgctttttctc 300
ccagaacctt ccttccctt ggtctctgac cttcttttcc ctatgaattt cttttttttt 360
ttttttttt tgagatggaa tcttgctctg tccccaggc tggagtgcag tggcgtgac 420
ttagttcact gcaagctccg cctcctgggt tcatgccgtt ctcctgcctc agcctccccg 480
agtagctggg actacaggca cctgccacca cgcccggtta attttttgta ttttagtag 540
agacgggggt tcacgtggt agccaggatg gtctccatct cctgacctcg tgatccgcct 600
gcctcggcct cccaaagtgc tgggattaca ggcgtgagcc actgtgcctg ggcctcccta 660
tgaatttatt ctggaagatc atctaaaaat gtgtgttgct 700
```

```
<210> 1409
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 1409
acctgccacc acgcccggct aattttttgt attttttagta gagacgggggt ttcaccgtgt 60
tagccaggat ggtctccatc tcctgacctc gtgatccgcc tgctcggcc tcccaaagt 120
ctgggattac aggcgtgagc cactgtgcct gggcctccct atgaatttat tctggaagat 180
catctaaaaa tgtgtgttgc taaggttttg cctctgttcc acttccccgc cccccctca 240
ccacccctg ccccatact ctgtcaccca ggctggagtg cagtggtgat catagcttac 300
tgtagccttg atctcctggg ctcaaggcat tctccagcct cagcttcccg agtagctggg 360
attacaggca catgccacca cgctgggcta atttctgtat tttttttttt ttttagtag 420
agatgggggt tcacctggt ggctaggctg gtgtcgaaact cctggcctca aaatgatcca 480
ccacctcag cctcccaaag tgctgggatt ataggcgtga accacatgc ccggccaagg 540
ttttgcctct gttttggatc ttttcttccc ttattattat tattattaaa ttgacaaata 600
agtattgcac atatttgtgc tgtatgatat aatgttttga aatgtgcatg ttatggaatt 660
gctacatcaa gctacttata caatacttca catatttatt 700
```

```
<210> 1410
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 1410
gtgctgggat tataggcgtg aaccaccatg cccggccaag gttttgcctc tgttttggat 60
cttttcttcc cttattatta ttattattaa attgacaaat aagtattgca catatttgtg 120
ctgtatgata taatgttttg aaatgtgcat gttatggaat tgctacatca agctacttat 180
acaatacttc acatatttat ttttggtgta aacattttaa atctactctg tgatttattt 240
atttattttg agatagagtc ttgctctggt gccagactg gagtgcaatg gcgcagtctc 300
agctcactgc aacctctgcc tcctgagctc aagcaattct cctgcctcag cctcccgagt 360
agctggggatt acagggtgcct gccaccacgc ccagctaat tttgtatttt taatagagac 420
agggttttac catgttggcc aggtggtct cgaactcctg acctcagggt atctaccac 480
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tgatttttaa gtatacaaga cattgatata aactgttgct accatgtcgt acaatggctc 600
tctttaactt aactcctccc agttgaaatt ttatatcctt tgaccaacat cttcctgac 660
accaccctcc cagccctgg tgaccatcat cctactctct 700
```

<210> 1411
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1411
tgggattaca ggtgtgagcc actgcgcctg gcctgtcttc atgattttta agtatacaag 60
acattgatat caactgttgt caccatgtcg tacaatggct ctctttaact taactcctcc 120
cagttgaaat tttatatcct ttgaccaaca tcttcctgat caccaccctc ccagccccctg 180
gtgaccatca tcctactctc tgcctccctg agtttggtct ttttatattt cacatatgcg 240
tgagatcatg tggatattgt ctgtctgtgc ctggattttt tcacttagca taatgtcctc 300
caggttcatc catgttggtg tgaatgacag cgtttccttc ttttttaagg ctgtatagta 360
ttccactgtc tatatatagt ttggatctt atcgagtgcc ctcaagttct gtgaaggaga 420
gaatctggat aattgtatca ggaggtcctt agaccatatt taggatcctt ccattgggac 480
tgggcagcaa ggttaccaaa ctaaatgcag tggcttcaga tgccaaacca cctgagatga 540
gccacacctc acaggtgagg ggtatgggtc cccacaacac tgcccttgct tcagacgccca 600
gctgcacatt caggggttcc cagcccaccc tcaactgctga ctggctgcaa atctgggagt 660
ttccactacc cctcagggtc cagaatgcac taggatgact 700
```

<210> 1412
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1412
actaaatgca gtggcttcag atgccaaacc acctgagatg agccacacct cacaggtgag 60
gggtatggtc cccacaaca ctgcccttgc ttcagacgcc agctgcacat tcaggggttc 120
ccagcccacc ctactgctg actggctgca aatctgggag tttccactac ccctcaggtt 180
ccagaatgca ctaggatgac tgacagaact caggagagtg ctatacgtaa ggccacagtt 240
ttatcataac aaaagcattc aaatcagaac cagccaaaag aggagacaca ggggcgagat 300
ggaggagggg cccaaacaca aagctctcat tgtcttcccc gtgtggcgct agaggcatca 360
ccttctcagc actttgacgt gtgacaaaat gctgactatt tctaagcagg gaggtcact 420
tgagctttgg ggtccagagt ttttatttga gtcttatcat ataggtgtgg ttgatggact 480
cattggccac tgggttgaac tcactctcct ggtctccttc cgggaggcca ggctgatatc 540
acagaacctc agtggcgtgg ccagcccctc catggtcgta ttgtcagcaa aaactaccta 600
gggcccacca tgagtcactt cactcgcata aactctcaga gaccaccatg aataataaga 660
tactcctatc acttgggaaa tccctaggaa tttggggcta 700
```

<210> 1413
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1413
ctcatcttcc tggctctcctt ccgggaggcc aggtgatgat cacagaacct cagtggcgctg 60
gccagccccct ccatggtcgt attgtcagca aaaactacct agggcccacc atgagtcact 120
tcaactcgcat aaactctcag agaccaccat gaataataag atactcctat cacttgggaa 180
atccctagga atttggggct acctcctggg aactggtgac aaggactagc cacgttggtt 240
actccaaggg tttgtagctg gtaggacctc ccaagagcca ggacaaaagg cagacttctt 300
ggataaagggt tgattcttca ctgcacaaac tggaggagag ttatgagaag agcaggtggt 360
tgcttccaaa gcaggtgggg actttggatc cgatgaacta ttatgtggaa tgaagtacag 420
cagcgggttcc agttaacaca ggaggagct catcaagctg cggacttgct ggggtggagag 480
ctcttgccaa ataggttctc aaggagagtc ggggatgcag aaggggagct ggtggggagg 540
gcgggggttct gggggcgtctg tgggggcagt ggaacagcca tttatgtgtc catctggtgt 600
ttttctaagc acccactaaa gggcagaccc tgggcttgag gctctgaggg cagagctggt 660
gagtgaanaag ggaatattag gtgggcacct tcagctcaga 700
```

<210> 1414
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1414
 caaggagagt cggggatgca gaaggggagc tgggtggggag ggcgggggttc tggggcggtct 60
 gtgggggcag tggaaacagcc atttatgtgt ccatctgggtg tttttctaag caccactaa 120
 agggcagacc ctgggcttga ggctctgagg gcagagctgg tgagtgaanaa gggaatatta 180
 ggtgggcacc ttcagctcag aagcagaatc cagcttggtt tgtttggttc aatgggtgaaa 240
 tgaggccaaa gatgaaagga taaactgtcc agaacattcg agagtgaacca ggagtctccc 300
 cagagggcag aagtggggga tgggccatcc tcgcctgcag ggacagcacc atggcagctg 360
 caggtgcggc aggtgggtag agatggggaa ggtgggtgcc tgcattgtca gggacaaaaga 420
 ggagggcagt gatcaccacc actaccacca ctgcgaagga gtctccgagc ctgcagggcc 480
 atgggcagtg ccttggcggg gtgtggtggg cctgacacca aagttcagga gggaggttga 540
 ataactgctgt ctctggctgt gtcggtcaca ggccccctcc cctccccctgt gtgagagctg 600
 agaaccagcg ccggccccctc catggatgca gagtttttcc ttcaggccct ggaacgtagc 660
 agttatgagc actgcgtttg ggagtcagc aaatgagccc 700

<210> 1415
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1415
 ggtgtggtgg gcctgacacc aaagttcagg agggaggttg aatactgctg tctctggctg 60
 tgtcggtcac agggccccct ccctccccctg tgtgagagct gagaaccagc gccggccccct 120
 ccatggatgc agagtttttc cttcaggccc tggaacgtag cagttatgag cactgcgttt 180
 gggagtccag caaatgagcc cttatcaact ctgtgaccat gagtagatca ttaactctct 240
 ctgggtctcg attttctcac ctgtgaaatg ggaataatgt ggctcttcct tgtgaggagc 300
 aagtgagtg tccatggaa agtacttggc atgtgtcatc cagaaagggg gtctgttaac 360
 agaggctgct atagtacacg gtggctaaga gagcggacgc tgggcccagg tggctctgtca 420
 ggcttggtg ctgtgcctcc tggctgtgtg accttgggca cgctactcag cctcatctgt 480
 gaaatagggg tcatagctgt ccctgtctca tgaagtgtgt ctgaggaatg aatacattta 540
 aagttttcaa gtatttagaa tagtgccctg cacacagtga gtgtgatgat gataatgatg 600
 actcctatct tgagttgctg aaatgactga tgcttcatct attaggcaag cccaagtctg 660
 gacagggcag tggagatctg gccagacggg ccctccccac 700

<210> 1416
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1416
 tccctgtctc atgaagttgc tctgaggaat gaatacattt aaagttttca agtattttaga 60
 atagtgcctg gcacacagtg agtgtgatga tgataatgat gactcctatc ttgagttgct 120
 gaaatgactg atgcttcac tattaggcaa gcccaagtct ggacagggca gtggagatct 180
 ggccagacgg gccctcccca cagggtctct ctggatgtgc ctctccgctc tttgagttgc 240
 cgctccttgt tctggtgggt cacggctctc acactgcagc ccgcctactt tagtatctgg 300
 attcattaca gggaacagac acagctgtgg gtgctttagt caggaaagga tttcatgcag 360
 gaaagtaggt gcttctaaga atgtcaggag ggctggaggg gcaggctcca ggctggggcc 420
 agaaccctaa agacctgacc cactcagcga gccaccctg aggctgcagt gccgggattc 480
 caaagctgct gcctctgctg accccctaca ctgtgagtct gctccaggag actcccgtc 540
 tgacttccac accatgagtc tgcctcaagg caccctagtc ctgaatgacc aggtacatgg 600
 tatctgccgc cctccctcc acagcttgct agccttcac taattggaaa agccagatgc 660
 tcgcttcaaa ggagtcagaa acgcggcagt caactaggag 700

<210> 1417
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1417
gacccccctac actgtgagtc tgctccagga gactccccggt ctgacttcca caccatgagt 60
ctgctcaagg acacccctag tctgaatgac cagggtacatg gtatctgccg cctccccctc 120
cacagcttgt cagccttcat ctaattggaa aagccagatg ctgcgttcaa aggagtcaga 180
aacgcggcag tcaactagga gaaaggaata caggtcgcac aatgcagccc agtctccacg 240
ggcctcgttc attgatgctt gctgtcccag ccattcctgt ggtccgagtc ggggtgaatct 300
cacctccctc ctcttctgtc agtcctgcag gccagcacc caggagagtg tttccaaccc 360
ccacaggctt agtcatggaa aaagggtgaga cttctctgag ggagggggcac ttaagcagag 420
ttagggatga gccgggcttta gccaggagca ggggctgcag ggtgggggtga gtgcgggcaa 480
gggacagcag gtggaaggcc ccgaggtcac tgaagagagg gctcccagga ggggagcacg 540
ggccgagggg acccagccag agcattgcag gcgcccgtga cagaggcagc tggcgcgaa 600
cgggtgggat ggtggcagg agagctgtgg gctcttgagt catttgccc agcacagtgt 660
ctagggttaag acctgggtgtc ttggtgccc cgggacctga 700

```

```

<210> 1418
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1418
cccagaggtca ctgaagagag ggctcccagg aggggagcac gggccgaggg gacccagcca 60
gagcattgca ggcgcccgtg acagaggcag ctggcgcgaa tcgggtggga tgggtggcagg 120
gagagctgtg ggctcttgag tcatttgccc cagcacagtg tctaggttaa gacctggtgt 180
cttgggtgccc acgggacctg actgggtctg aatcccagct ctgggtgacc ttggaaaagt 240
tccccatcc aggtcttctc gtaaaactgg gctgattaca ggggcgaggg aatactatag 300
aaggtgacaa atatgaagt tttggtgtgg tgaccggcat attgcaagcc cccggaaaat 360
gccagcaatc accatcacca ccaccatcat cattaatagc acttggaaagt gactgaatgt 420
gggggtgagg gagagcagga agtcgcagg gggcccagg ctctggcttg gggaggaggc 480
aggggagagg gcaggcggcg ggtggcnagc accagctgag gggctgctac gggccatact 540
ctgagaacag gggagggtcc agcctgcagg cagtagacat ggagggtgac taagccaagg 600
ggaagaacac agtgttgctg gaaaaagggg tcccgattca gaccccgaga gagtctcttg 660
atctcgcacg ggaaggaatt caagggtgag cgtggtgtgt 700

```

```

<210> 1419
<211> 700
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

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<400> 1419
gggtggcnagc caccagctga ggggctgcta cgggccatac tctgagaaca ggggaggggtc 60
cagcctgcag gcagtagaca tggaggggtga ctaagccaag gggaagaaca cagtgttgt 120
ggaaaaaggg gtcccattc agaccccgag agagttcttg gatctgcac gggaaggaat 180
tcaaggtgag tcgtggtgtg tggtaaagaa aggatgtaga aaactactca gtaggggtg 240
tctcagaaa gcatgagcag gaacgccttg tctgcttaaa gcttttctta tataggggtc 300
ttgtctatac aaaagccaag ctacattatg tctatgtgca ggtgggctga cagtgtcaca 360
aaatttagta ctttgttgat ttaaataatg ttttatcctt ggccttttag tgagtaagta 420
catcaaagca ttactgtaaa tagcttgaaa gcataatatt ttatgagaca tcaggacacc 480
cagacattct gctgttgtag gagtttgtcc ttgcgggcgt gactaaactg cttccttggc 540
gtaaacatct catgaccatg ggtagtgtact ggcaaggaat atgcctagct agttttaaga 600

```


tggagttgat tttaaaatgg tgtcacccctg gctctcctcc actcctgttg acctaacaat 660
atggccaagg ggtgagagaa gacaggggac aagaaatgag 700

<210> 1420
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1420
ggagtttgat cttgcgggag tgactaaact gcttccttgg cgtaaaccat tcatgaccat 60
gggtagtgac tggcaaggaa tatgcctagc tagttttaag atggagttga ttttaaaatg 120
gtgtcacccct ggctctcctc cactcctgtt gacctaacaa tatggccaag gggtagagaa 180
agacagggga caagaaatga gccagggcac tcctgcgaca ctggaagggtg gtgaggcagg 240
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gttcctcgtg ggtgaggcta gataagggca gacatgcgtt gctgcacgga gtggagttga 360
taatcagtga cctcatgaga tatctgagtg cagttggggg cacaggaagt ggccagatga 420
gggtggaactc agtatgggca tctgggaggg cagctgtgtt gggctgcagg ctgcgtcgtg 480
gggtgtcagc tgtgttctga atgggacaca atcaagcaca ggctgccccg gctcagcagc 540
cggcagcttc atccttgagc ttgttcacac acaacacggg aagacctcac acgctcatat 600
ccaagccacc ccaaagcctc tcctttcact gatgtgacat ctcggtattg tggtgggtggg 660
gaaggggagg gggtagagat ggaacaaaat tgacaaaact 700

<210> 1421
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1421
aatgggacac aatcaagcac aggctgcccc agctcagcga gcggcagctt catccttgca 60
gttgttcaca cacaacacgg gaagacctca cacgctcata tccaagccac cccaaagcct 120
ctcctttcac tgatgtgaca tctcggattg gtgggtgggtg ggaaggggag ggggtagaga 180
tggaacaaaa ttgacaaaac tggccatgag ttgctcattg ttgacgctgg gcaatggatg 240
cttgggagtg actttcgtgt atatttgaaa ttttctgtaa tagaagattt taaaattgta 300
attgcatagc aaatgtaaat attaacatat atgcacattt atatattata tatttanatc 360
tatactttat ggattatata atatactatt taagtaaata atgtatacga tagcagtata 420
atgtatacat gcatcttaca cacacgcccc tctccagtc tccactacca caagcaccat 480
cgctccccac cagcatctct gcaggcacct tggcgctcat ctccctgctc cgccttcgcc 540
ctgcgttgag ttctccacac agcagccacg gtgactttgt taaaatgtga gtcagaccac 600
atcactccat tccacttaga atgaagcccg gtccctggcct ctgaggccct gctgggntcc 660
tgctgccctt gccgtggcct ctgctccagc ccgagggcca 700

<210> 1422
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 1422
tgcaggcacc ttggcgctca tctccctgct ccgccttcgc cctgcgttgc gttctccaca 60
cagcagccac ggtgactttg ttaaaatgtg agtcagacca catcactcca ttccacttag 120

```

aatgaagccc ggtcctggcc tctgaggccc tgctgggntc ctgctgccct tgccgtggcc 180
tctgctccag cccgagggcc acccgtgagt gctgggaagg gcacccccag ctgctcttg 240
ctcaagacct tagcacctgc agttcccttt cccttgatga ctttgccccg atctgtgcat 300
ggngtcccc tnccttgt ttcgtccga taacacagca ctctcctgc tgtgcagccc cggactgttc 420
atctctccaa cctcctcgca accaccgccc gacacactga gtgttctctc gttggcttat 480
tatttccac ggtagcggct accaccgccc gacacactga gtgttctctc gttggcttat 480
tctgtctccc tgctagaagc aacctgtgtt tgtttagtgg acccccagca cctagagcag 540
ggtctggcac ccaggcaagg cctcaatcca tacttgttga atgaatgagt ggagctccat 600
ttccacggag cactgagac gtggctgaag taacaacact agaagtcagg gacacagctg 660
gggcttgaag ctgggactag tttcacctg agccccggc 700

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<210> 1423

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1423

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caacctgtt ttgtttagt gacccccagc acctagagca gggctctggca cccaggcaag 60
gcctcaatcc atacttgtt aatgaatgag tggagctcca tttccacgga gccactgaga 120
cgtggctgaa gtaacaacac tagaagtcag ggacacagct ggggcttgaa gctgggacta 180
gtttcacct gagcccccg ctatatgtc tgctgtgtt cctgagagg gaggggatgg 240
ggcccagagc acanacacat ggaggggccc atccaagggc acagggaccg aggggaggag 300
agaaacgagg ctggcaggca gtggcataga ctccgctttg cggagctgtg gggaagtagc 360
tctgcaggct gttggcttct cttgcctttc agaagcagg ggaaggtcct tctcccaaga 420
gaggcagagc tctgaggag tctgcaggaa tgctccatct gtcccatag tgttaatgtc 480
acttcagcct cagagctaga tgggcggcct accctttccc tccccactcc cgctggctcc 540
tgtgccttg caggccagg cctagtgaag accccaaga aggcagcacc ttcctctgtc 600
tttggcaatg tgggatctga tgggtccaag agtgcccaac ccatgggagg agcggtgcta 660
gtcctgtctg gctgaggggc tgcttgcag gccctgcag 700

```

<210> 1424

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1424

```

atgggcggcc taccctttcc ctccccactc ccgctggctc ctgtgccctg gcaggccagg 60
gcctagtga gacccccaa aaggcagcac cttcctctgt ctttggcaat gtgggatctg 120
atgggtccaa gagtgcccaa ccatgggag gacgggtgct agtcctgtct ggctgagggg 180
ctgccttgca gggccctgca gacccccacc tcctctcccg agaggggccg ctccccaggg 240
aggacttagg ctggtctgag ggggtctggt gctggtccag ccgggggatg ctgcaaccag 300
gtctcctcac tggcctgtct cggtcacat cctccatgga gcagacatca cgttcatgtt 360
cttttgcct tttaaaaatg aaatttatcc ttgtctccca ttggaaaatg aatgcatgct 420
cattatagaa aatgtgggaa acagatcaga agaaagaaga gtaaataaaa attgcctttt 480
ccaatgtggc atcaccacag ctctctggc acagggccct gggctgggca gggagtgtgt 540
gactgtgtng ccaacaggcc atcgggctgt ggggtctacag gggatgccat cgggtggctt 600
ggccttcctc ccttgagggt ttggggaaat ggtgtccagc ccccgcacag ttgtccacag 660
tgatgcagag agtgaggctg acgagagttg ctatatttaa 700

```

<210> 1425
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1425
gctcctctgg cacagggccc tgggctgggc agggagtgtg ggactgtgtg gccaacaggc 60
catcgggctg tgggtctaca ggggatgcc a tgggtggctt gggccttcct cccttgaggg 120
tttggggaaa tgggtgccag ccccgccaca gttgtccaca gtgatgcaga gagtggagct 180
gacgagagtt gctatattta attttgggtgc ctgcgtcacc tctgaccaca cagcagcgct 240
tgcccaggca ggcagcacat ggctgggggt gtttctgaac gacgctgtga gagaatcact 300
ttccccaaga aaaggtatag cagaggggaa gggagagaca gcaacagaaa gtgaggtcgt 360
aagtagaaaa ttgcttctgg gatttcaa at ggctttgtca tggggccctc ccttinctgcc 420
gagaaatcag ttgatctggg aaagtgtgtt gcaaaccctt gccctcttgc ttttgggtgg 480
agctgagaaa tgaatgaaga taatggggct ttatgagtgt gggggagggt agctgaggag 540
acagccacca gtctgaccc cagcttggac ccctagaaag gccagatagg agctggccag 600
tgtgtccctg gccaggctgt cctgtctgga acatagtcag cctgncccca gccggacctt 660
cttagaaggg aggcaggcga agtgggaaac aggtttggag 700
```

<210> 1426
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1426
ataatggggc tttatgagtg tgggggaggg tagctgagga gacagccacc agtcctgacc 60
ccagcttggg cccctagaaa ggccagatag gagctggcca gtgtgtccct ggccaggctg 120
tcctgtctgg aacatagtcg gcctgncccc agccggacct tcttagaagg gaggcaggcg 180
aagtgggaaa cagggttggg gtgtgttaca atgcaccagc tagatgaagg gcataggcag 240
aagacatttc tctttgaccc taatgaaaaa gcgataagcc gctgggcccag gtgaaggcca 300
ggcttcaagc tgctgcctcg gtcacaagga aataagatgc gggcctgggc cccttggggc 360
ctgctccttc tcgtcctgcg caggacaggg ggccagcctc ggagaaacct gccaaagtgc 420
tgggagcatt ttctgacacc tcactctgag agcaaactga ggtgtttggg gccgagttca 480
ccggaacctc gcgtgtgtct cacttctcac tcaagcccag cctctcttcc agtgaaacct 540
cctgggctgg gggtcccgag gtgccaaggg gctccccgcc ctgggccccca tggccagcat 600
cttcctccca ctcaccaagc actcttctcc cttctcaacc cccttctctc tgagtctgc 660
tgagggcttg ccttgtttat gaaagaactt aggccacgtg 700
```

<210> 1427
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1427
tcactttctc ctcaagccca gcctctcttc cagtga aacc tcctgggctg gggttcccg 60
ggtgccaaag ggctccccgc cctgggcccc atggccagca tcttctctcc actcaccaag 120
cactcttctc ccttctcaac ccccttctct ctgagtcctg ctgagggtt gccttgttta 180
tgaaagaact taggccacgt ggtagagaa aactcccagc aaacaccacc agggctcagt 240
ccccagggag ggaggttccc agccacagtt gcagtgtga cacttaccta ccttgttctg 300
```

```

tcttcctttc tcattcctga cagggccctt tccctgtcgc caccagctgc agcttggttc 360
tgtggctcag taaggtgtca ctcatccctg gagagcccca cgccctctcc agcccagggc 420
acactgccag tgaccacagg tcccccttcc tggggagcag cctggaagggt gtgagggaca 480
ggagctcggc ggtggctgag gaagtggcga gctgcagacc cctagtgggg cccgggacgg 540
ccatccgcac tgtgcacctg cctcgcaggc tgtcctgaat gtgtggctca gagcacggcc 600
ttggaggatc ccgaggaacc ttgcccaca tcagcctcaa ttccagtctt tgttcttgag 660
ggagtcacgt ggaatttcac tggaagggtt tccatctttc 700

```

```

<210> 1428
<211> 701
<212> DNA
<213> Homo sapiens

```

```

<400> 1428
ggaagtggcg agctgcagac ccctagtggg gcccgggacg gccatccgca ctgtgcacct 60
gcctcgcagg ctgtcctgaa tgtgtggctc agagcacggc cttggaggat cccgaggaac 120
cttgccccac atcagcctca attccagtct ttgttcttga gggagtcacg tggaaatttca 180
ctggaagggt ttccatcttt ctggataggc agggcaatac tttggctggg cagagaggac 240
atgggtcaaa gatgatgcta ctgggagata gatttctagg tcttgtttac aaagtcatta 300
ccctccgtaa atatccttcc agccttaaac cctaggctct ggatggagaa gaatgccgag 360
accctgactc ccacccacct cccctggctt ccaagactct ctcgctcttt gcggaagcag 420
ccactgctca cctccagagg ggaggccctc ccgagggagg acatacagct cccccaaccc 480
gaccctctgt tgtttctaca gagttctttc aggggctaaa tcttgagtgc atgtggtgtc 540
ttggttgctc ctagcccagg tgtctgctgt ggggtggtcc cccgcaggta ttctctcagc 600
aaacgtggca ggacttaata ggcttggcac cagagagccg gtctgtgtct ctgcccggga 660
cagcctgctg gagaccacag tcttgcacca tcaccctctt v 701

```

```

<210> 1429
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1429
agagtctttt caggggctaa atcttgagtg catgtggtgt cttggttgct actagcccag 60
gtgtctgctg tggggtggtc cccgcagggt atttctcag caaacgtggc aggacttaat 120
aggcttggca ccagagagcc ggtcctgtct cctgcccggg acagcctgct ggagaccag 180
ctcttgacac atcaccctct tcacccccac agtcttctct cctctaggcc aagtgtcccc 240
tgccccctgc actgtcagggt ttgccttctt ccgtgcctc tccctgggga aagtgagtgg 300
ttctggagta gctggccacc atcatcagcc ccctggcgaa ctccctgcca cgtcctctgc 360
tgttgcgtga atgacacagc catgagcagt cgagggcggc tgncttcagg gacttctgag 420
catcactgtg gtgttcccat agggctctgg gctccccagg gagggcacct gcctgtcact 480
acaagtttga gactggttct tgaagacat caccactgc aaaggcatcc catcctggag 540
tcacctctg ccctgggcac ctcccagaga gtcacagtga aaagtgttgc tgacgggcat 600
ggcctggagc tgtggcttgg taaggcccgc tggctctctg actccagctg ctgaccaggg 660
ccatggggaa gcaacaagag ctgctgagga gtggcctagc 700

```

```

<210> 1430
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)

```

<223> n = A,T,C or G

<400> 1430

```

ttgaagacca tcacccactg caaaggcatc ccatcctgga gtcaccctct gccctgggca 60
cctcccagag agtcacagtg aaaagtgttg ctgacgggca tggcctggag ctgtggcttg 120
gtaaggcccg ctggtctctg cactccagct gctgaccagg gccatgggga agcaacaaga 180
gctgctgagg agtggcctag ccagagccct gttcacagag gtggtgcgtg tgtgcaccct 240
aatggcgaga gctgtccaga aatgcaatgg gctgcccctc aaatataggt agggacctgc 300
ctgtcagtga gagggcccgga acaggttgat gacagttgta cagggggaaa aactccattc 360
aggacaggtg acatttggan agaaataggn aggggtggtta agtgtgtggg ctttggagtt 420
aaagtgaatt ttggacccca atcccaactt tgctccttta cctcagatga ggctctgagg 480
ccccaggacc ccagtgagga agtagctacg tgaccttagg caaaccgccc acgctttctg 540
agcctcacag ttctcatcgg cctcctgggt tgtgaggag acatggatgt gtgggtgtgtg 600
ccagacacag ctggccagtc ctcaggagat gtgattgtga gacttcctgg gtctccgtct 660
gctcctgatg ccttccttga accctgacag tctggcccaa 700

```

<210> 1431

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1431

```

aagtagctac gtgaccttag gcaaaccgcc cacgctttct gagcctcaca gttctcatcg 60
gcctcctggg ttgtgaggga gacatggatg tgtgggtgtg gccagacaca gctggccagt 120
cctcaggaga tgtgattgtg agaacttctg ggtctccgtc tgctcctgat gccctccttg 180
aaccctgaca gtctggccca agcctctccg tccttgctgg tgcagcagac agaaggtggg 240
gcttccttca ggccatgtcc ccaccctcgg gagctagctt gcattcagcc caggtcactg 300
caccctaccc tcgctgtaat ccattcccag cccctcctcc aaccaccag cctcccgaag 360
agctcctcag agtcttcaga ccacagacca gtgtcccaa aggccaaaat gaaagacaaa 420
tacaatcagg cctatctgtc accaacttta tttctggctt cagtttgata gtcaatgaaa 480
caacttggtc aatgtccctt ccccagtggt tcaagggtacc cttctatata ttaactcttt 540
gctaacatat ttaatatatta aatacnagga aaaacaataa attactcgtt ggctgagagc 600
tggctgctgg ctggcagaca ggagcggctg ttctgcccct ctctgaccc tgctcggat 660
gaggtccga ggccccagga cccagtgag gtagcagaat 700

```

<210> 1432

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1432

```

tccccagtg ttcaaggtag cttctatat attactctt tgctaacata tttaatattt 60
aaatacnagg aaaaaacaata aattactcgt tggctgagag ctggctgctg gctggcagac 120
aggagcggct gttctgcccc tctcctgacc ctgcctcgga tgaggctccg aggccccagg 180
acccagtgga ggtagcagaa ttctgtacac agtacttatt accagggact cctggngtnc 240
actgctttag tgctgnngnc ctgagtcctt gaacccttgg ctccaagtgc nagcagccac 300
agtcttcccc aatccccaac ggtgacaaa acactcattt aaataacaca caataataaa 360
taagaccaag aagaagtgtg cctgagctgc tgtctgcctc agttgcctgt gtgtgaagtg 420
ggtccctgtc ccaccacatg tctggcaagg ggggcancca ctgtaatgct acagtgtgct 480

```

```

ctagggcagg ggaggggtgt agggacatgt catccctggg tccaccgagc tcagggccct 540
ggacagagga ggcccaccag gctgagccct gggcaagggg aaggctgagg tcggctaggc 600
tgaanacggg cagcacaggc tgaggtctaa gctaaggaat tttaccctc cctaaccctc 660
cttcccgcct acccaagaca tttttgacat cagaaagaaa 700

```

```

<210> 1433
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 1433
tagggacatg tcatccctgg gtccaccgag ctcagggccc tggacagagg agggccacca 60
ggctgagccc tgggcaaggg gaaggctgag gtcggttagg ctgaanacgg gcagcacagg 120
ctgaggtcta agctaaggaa ttttaccctt ccctaaccct ccttcccgcc tacccaagac 180
atTTTTgaca tcagaaagaa aaatgaatct gcaacttcaa tagtcaggtc ctgtctctgc 240
aaataatgat gctttcgaag tttcagttga acngtccctc gcgaaaaagt ttctttaaat 300
gtaagagcag gtccctttaca aactgggcca cctcgatttt ggtgtctcgg anatgcaagc 360
tggaaaactg ctgcaggaca aagaggtcag cacntgagta gaannccaga ggccgggacg 420
actcgcacaa accaggggct ttccaggggac tgtctcattc agtcctcacg gaagtcccca 480
tgaggtgggt actgttagta cctctactgt acagatgtgg aaattgaggc ccaggttagga 540
gttaggagcc cttgagccca gatcctgtaa atcccgaagg ccacgtccct gctgccacaa 600
tggccccacc cctgggtgna cacacaccat ggatattcag ccagcttccc ttcagcgagc 660
ccagggttgg caggaggggg tgcagggtgg gtgtgagagg 700

```

```

<210> 1434
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 1434
acctctactg tacagatgtg gaaattgagg cccaggtagg agttaggagc cttttagccc 60
agatcctgta aatcccgaag gccacgtccc tgctgccaca atggcccccac ccctgggtgn 120
acacacacca tggatattca gccagcttcc cttcagcgag cccagggttg gcaggagggg 180
gtgcagggtg ggtgtgagag ggtgggggat gccttaccct agctgagacc ctgtgcgggc 240
agaatccgct cagcatcctc tgggtcttct cgatggcact gcagcctgac acgttgatca 300
gggattccag ggctgcacag tactgtgggg aggggacacc gaggggtcag gccctgcttg 360
ggcagctgcc ttttgtgagt ctgcagggaag atggggctga gatgcctggc gcaggtgagt 420
ctgggtgggt ggcggggaagg ggccagatta tggcgggagg gaggaganca cttgaagctt 480
gcttgaacc ccagccatgg aagggaggct cagagaagat aagcccaagg cctggagcct 540
ctgccccatc ctccctgcac ccaaagggtc ttaccatgcc agctgtcagg ttgatgctcc 600
ataccatgct gccattgcag agcggancct nntgggagca aagtgcagtg gagcagagtg 660
ctggcagggg ttgtgggcct gccctggcag cccaggccag 700

```

```

<210> 1435
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1435
 gaagggaggc tcagagaaga taagcccaag gcctggagcc tctgccccat cctccctgca 60
 cccaaaggct cttaccatgc cagctgtcag gttgatgctc cataccatgc tgccattgca 120
 gagcggancc tnntgggagc aaagtgcagc tgagcagagt gctggcaggg gttgtgggccc 180
 tgccctggca gcccaggcca ggtctgcccc agcacaggnc ccacaagcat ccctgggtgtg 240
 gcacagaggc aggcctggca nccccanc attcctgagc ttcgttttct gctttgaaca 300
 gcangcatag ggggtgaggct ccactgttta gggctcttga gctgagagaa aaaaattgac 360
 accactagta agggacaagc tgcattgcaag gcttgccata gtcagggcag gaggacaggg 420
 gcctgcgaggc agggccaggc tggggacgag tgaagttaga gtggcctggg ccactgttga 480
 ccaagacaaa tcagatggga ggcgggtggg atctgggtgt ttaaattgcc tgcccttctga 540
 tgggtgaggga acactgcagt taggagcatg gacactctgg tgttgccag gcctggcttg 600
 aatccagcct ctgtcactta acctcactga accttagcag aatgggttca tcgtacctgc 660
 ctcttgaggt ggctggcagt gatgaaatga cacataaagc 700

<210> 1436
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1436
 aggcgggtgg gatctgggtg attaaatgcc ctgccttctg atggtgaggg aacactgcag 60
 ttaggagcat ggacactctg gtgttggcca ggccctggctt gaatccagcc tctgtcactt 120
 aacctcactg aaccttagca gaatgggttc atcgtacctg cctcttgagg tggctggcag 180
 tgatgaaatg acacataaag cacgtgcacc aggcctgggtg taagcagtgc tcagacatgt 240
 gagctgttac tagtggggca aggagcggac tctactaagg aatcctcctg taagggcggg 300
 cctatgatgg tgctggggag aatggctgca ttgttatggt caaaatccag ttggcaaattg 360
 ccacatgggt ctgggagggt gctggccctt ctctgctgtc ctctgttcag gaatggctga 420
 gtaggagctg gcagtggcag acaaggccag gccaggagag caggtagtcc ctggggagtc 480
 tgccagacac ctccataggt ccattccacag tgctgagccc cccagcccag ctctctcttc 540
 cctcatgggt gggccggggc ttggtccatg gagatttttc ctgacctaca ggcattcttag 600
 gaccaggccc agcctgctca tgacctcatc ttgggaatca cccaccctgg agccctcata 660
 gctaggaccc tggctagccg acactcacct tctggttctg 700

<210> 1437
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1437
 tccatccaca gtgctgagcc cccagccca gctcctctct ccctcatggc tgggcccgggc 60
 cttgggtccat ggagattttt cctgacctac aggcatttta ggaccaggcc cagcctgctc 120
 atgacctcat cttgggaatc acccaccctg gagccctcat agctaggacc ctggctagcc 180
 gacactcacc ttctggttct ggggtgatgtt gaccagctcc tcaatgagct ccctgagggc 240
 tgtagaggga ggcacagggc ctggggaggc aaagccgcca aggcaagtga gagcaatgac 300
 cgtgggtcaac aaaagcgcca tgaggcccag tgccaacagg agaggattga ggagcggatg 360
 cnnangctgg gtggcttgtg gccttggcgt cttgtggcag cttttatagg cccaagtgg 420
 gacgcctgac accatggtct ctgctttttc aggcactatc tagaaaccac atctttactc 480
 atcttgattt tactttgtgg aaaatccagt gtcgcataaa ggaaagagtt tgatttctca 540
 tggacttatt gagaagggtc cagggcagag tttccaagat ctgggtgggt ttaattccag 600
 cggcaggcaa ggggcctga gagcggcgtg gcatttgcaa tgctgcctg agttccagca 660

gttttgcttg tgacaaccct gaggtaacctg acagctgacc

700

<210> 1438
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1438
 gaaaatccag tgcgcataa aggaagaggt ttgattttctc atggacttat tgagaaggggt 60
 ccagggcaga gtttccaaga tctgggtggg ttttaattcca gcggcaggca aggggcccctg 120
 agagcggcgt ggcattttgca atgctgacct gagttccagc agttttgcct gtgacaacc 180
 tgagtacctg gacagctgac ccaactctga gctcctgtcc tcagaccctt ttgggtcacc 240
 agaagtgtcg agcagatagt cttagtgcac tgtggctgtg accacagtct accagctatg 300
 ggaatttggg gagttttatt ttttcgatga accagtctct taaattactt aagtaacact 360
 tgcttgata caaaattcaa acaggcaata gaagagtaaa gttcacttct tttggcttgc 420
 ctaattcctc cttggcccca ctgtgagagg gattgtcaaa gttcagattt ccaggctctcc 480
 actgagagat ccagaaagat tcagagggtct ttctgggagc ttttttgggtg tttttttgtt 540
 ttgttttgtt ttgttttttt ggagatgggg tctcactatg ttgctgctc aggctggcct 600
 ccaactccca gactcaagcg atccccccac ctcagcttcc agagtggctg gaagtagtgt 660
 gcacgtgtct ggccccctta atttaaagtg tatgggcat 700

<210> 1439
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (700)
 <223> n = A,T,C or G

<400> 1439
 ttcagagggtc tttctgggag ctttttttggg gtttttttgt tttgttttgt tttgtttttt 60
 tggagatggg gtctcactat gttgctgccc taggctggcc tccaactccc agactcaagc 120
 gatcccccca cctcagcttc cagagtggct ggaagtagtg tgcacgtgtc tggccccctt 180
 aatttaaagt gtatgggcca tccttctggg aaactcttaa ctgggcccagg ctggcagcct 240
 tagtccaggt cagagantgt nnnnnntnct agtgnactg gggcttgggg tgatcccttt 300
 gctcaccagt ctctgcagga tcaaccctg ccgtctgggg gcctcaaatt tcccttctgc 360
 agaatgagtg ctgtggaggg cggctcctgg gcttggcccc tgcagccatg tcgccttttc 420
 ctgctcttcc ctctttttcc tagaagtcct ccagaaacc ccacagcaga ggccacggca 480
 tttgctgtt ggggtgttgat gtcaagattt ctccccctacc cacttcctcc ccgaaccagc 540
 gcctccccag gccccctctc tgctgtctca ggctccctcc gtctgtctc cgatggggct 600
 caacctctc acaagggtgt gcttgtgacc ctctcaca ggcatgtctg attccccgctc 660
 agaggcatcc caggcttgcc caccctctct tcccacaggg 700

<210> 1440
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (700)
 <223> n = A,T,C or G

<400> 1440
 tgtcaagatt tctccccctac ccacttctc cccgaaccag cgcctcccca ggccccctct 60
 ctgctgtctc aggtccctc cgtctgtctc tcgatggggc tcaacctct cacaagggtg 120
 tgcttgtgac cctctcaca aggcattgtg gattcccgtc cagaggcatc ccaggcttgc 180


```

ccaccctctc ttccacagc gaacgtcatt cccaccctct ctgtccacac tcgaagcttc 240
ccagcccagc tgctggctct gactcccaga agtctgcccc ttccctcga gggcccccag 300
tgctggagc ggcgtactt ggccgtgtga cccnctacg ggctgtttc ctaatctgta 360
gtagagggcc cagggcatct cccacagggc ctccgtgatg ggggaaggag cggggaacta 420
ccttggtctg tgcaactccc ggagccccgc ccgggtgagt caacgcccct tatcccccat 480
ggccacaaa agccctgccg ggagcgggtg gcagggcgcg ccccgcgcg gggagaaggc 540
gctggcgcg cggttgcggc ggcgatggcc cgcggagata ggggggtggc cttatgtaac 600
gggagatggg ccgataagc gggatctgcg cggccgggcc ctctccgcg gcctccggcg 660
gtggccggtc cgggaggcag ggggtggcg gcagaccggc 700

```

<210> 1441

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1441

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gggagcggtg ggcaggggcg ccccgcgcg tgggagaagg cgctggcgcg gcggttgcg 60
cggcgatggc ccgaggagat aggggggtgg cttatgtaa cgggagatgg gcccagataag 120
cgggatctgc gcggccgggc cctcctccgc ggctccggc ggtggccggc cgggaggca 180
ggggtgggcg cgcagaccgg ccagtctgga agctgcggag gctggcgagg gggcggcaaa 240
ggtggcggtc cgagcgccag gcagggcaag ggccggctgg acaccgggc cagcggtcc 300
ccgagcgccg gtgcgcaccg gcgaggggcg ggagcgccg aggggcccag gcgcgcacgt 360
gccgctccag caccggccat gtcaggccga gggacccgc gggcccgcc gagcggcagc 420
ccctgccctg gaggtgggtc tccagggacc aaggcgtggc gggcggtgcg gagaggcgcg 480
gcacagatgg ctacatcaga ggggtctgtt cttgtttcta gattgtcagc ggggatccac 540
tcccgctgcg gtaattttta ttaacactaa ctaccaaagg gccgctccg gcacttggcg 600
catgtggctc gcacctgcct gcaatgcgct gcgtgggccc cccgcttatg gccatgggga 660
gcctcttcgc tttgctctgc ccccgaaagc ctgggattgg 700

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<210> 1442

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1442

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agggctctgt gcttgtttct agattgtcag cggggatcca ctcccgtcg ggtaatttta 60
attaacacta actaccaaag ggccgctccg ggcacttggc gcatgtggct cgcacctgcc 120
tgcaatgcgc tgcgtgggccc gcccgcttat ggccatgggg agcctcttcg ctttgcctcg 180
gccccgaagc gctgggattg ggacctccct tcctcccgac cagctcatcc tgggaaagct 240
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agtcaggagg agtaaggcct gagagagtgt tttttgtaag tgaaaggatt taatttttta 360
gatttttatt tttaggaaaag ttacgaatgc agataatttt aaaaatcaag aaggctgatt 420
atgtaaaacg gcagcgctgg gaatccgtgc tctatgggcc tctggcattg ctgctcctct 480
tgtgagttag gcacttactg ccctgctgtg tcccttactg tcttttaaag gttgtttata 540
ggccgggccc ggtggctcac ccctgtaatc ccagcacttt gggaggccga gatgggcgga 600
tcacgaggtc aggagattga gaccatcctg gctaacacgg tgaaaccccg tctctactaa 660
aaatacaaaa aaattagccg ggcgtgggtg tgggcgcctg 700

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<210> 1443

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1443

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gccctgctgt gtcccttact gtcttttaaa ggttgtttat aggccgggcg cggtaggctca 60
cgctgtaaat ccagcactt tgggaggccc agatgggccc atcacgaggc caggagattg 120
agaccatcct ggctaacacg gtgaaacccc gtctctacta aaaatacaaa aaaattagcc 180
gggcgtgggt gtgggcgcct gtagtcccag ctaccagga ggctgaggca ggagaatggc 240
gtgaacccgg gaggcggagc ttgcagttag ccgaaatcgc gccactgcac ttaagcctgg 300

```

```

gcgacagtgt gagactccgt cttaaaaaaaa aaaaaaaaaa aaaaaaaagg ttgttaagaa 360
aatcacaagg aaggaggaaa aaatatatatt cctattcatt aagtggagggt ggaacatcac 420
aaaggtcttc agcgtcactg tcttcacgtt gagcaggccg aggaggaaga agaggagggg 480
tcggtcttgt catctcaggg gtggcagagg caggagagaa tccgtggata agtggatctg 540
tgcagttcag aacctgctgt tcaagggtca actgtgtatg taaaaaattc agtgggaatct 600
ccaccttccc tcacaagtaa ctatttttct taggtgttgt tttttttttt ttttggatatc 660
ctattagttt atgtaaatac aagcaactgt gaatatatgg 700

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<210> 1444

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1444

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ggtggcagag gcaggagaga atccgtggat aagtggatct gtgcagttca gaacctgctg 60
ttcaaggggtc aactgtgtat gtaaaaaatt cagtggaatc tccaccttcc ctcaacaagta 120
actattttttc ttaggtgttg tttttttttt tttttgggat cctattagtt tatgtaaata 180
caagcaactg tgaatatatg gtcttatttt cccttgtccc tacatgtgaa gtggcatcat 240
atacaccttt tgcaccctgt ttttctcact tactataaaa ataatatatt tttgtattca 300
cacttagatt gggacatttt atgacttttc ttctttgttc tctcttattg gaactgccat 360
tttttttgac tatatacctc ttggacttgt cctttaattt tctttttatt ctattttcca 420
tttaaaaaat ttctcttctc tgggatattc tcatagcttt atcttctctga gggatatttga 480
ttcttttgtgt gtgtgtgcgc atgtgcacat gcacgctaac agcactatgt tcttgtttca 540
ttgatattctt ctaagtttcc tttttcatac ataactctta ttttctgcaa gttttcttta 600
aaaaattgtt ttgaactggg cgcggtggct caccctgtga attccagcac tttgggggggc 660
cgatcgcttg agcccaggag tttgacacca gcctgggaaa 700

```

<210> 1445

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1445

```

catgtgcaca tgcacgctaa cagcactatg ttcttgtttc attgatattct tctaagtttc 60
ctttttcata cataatcttt attttctgca agttttcttt aaaaaattgt tttgaactgg 120
gcgcggtggc tcacccctgt aattccagca ctttgggggg ccgatcgctt gagcccagga 180
gtttgacacc agcctgggaa acataggag actttacttc taaaaaacat aaaaaaaact 240
tagccaggca tgggttggtg tacctgtgat ccagctact tgggaggctg tgtgggagca 300
tcacttgagc tcaggagtgc aagctgcagt gagttgtgat cacaccactt cactccagcc 360
tgggtgacag agccagaccc tgcctcaaaa aaaatttttt ttccatctta taggctttcc 420
ttgcacgtta ggtaatcctg gattgcctgc acatgttaaa acagggatct ctgagggtaa 480
ttgtgtggga gggggctgtt tcctataggg cagggtggctg actgttttca cttgggggaa 540
ctcctgtggc agtttctttg tcgttttttt ggcaggcagg tcagctcgcg cagaaaagat 600
tctccctgtc tccagcattc cagcagcaag ggtggagaga gggctggggg gggggcctca 660
gcatctgttg actgttctgt atttcagcat atttcgaccg 700

```

<210> 1446

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1446

```

ttcctatagc gcagggtggc gactgttttc acttggggaa cctcctgtgg cagtttcttt 60
gtcgtttttt tggcaggcag gtcagctcgc gcagaaaaga ttctccctgt ctccagcatt 120
ccagcagcaa ggggtggagag agggctgggg tgggggcctc agcatctgtt gactgttcct 180
gatttcagca tatttcgacc gccctctact gtgtctagtg tttcttggtc cagatattct 240
atccggagaa aacctgctg caggagagtc actcgacttt gatgaacaaa aatggatatc 300
taactgtttc ttaactgag tttcaacaac tttccttatt ttcacccctt tctcttctga 360
tgtccttggt cttctcccag ttcttgagca ttcttgggat tctgtaaatc aacatagggtc 420

```

```

tcagctggcc taggattcag ttttcttggg tcagccaagt agtctgccc cgtccctcc 480
actttccacc tttcaaacgc tgggtgctgtc atccatttct cccatttttg tgggtttaaa 540
acttttagaaa attcagttac tgtcatttta gttggttata aagtgggagt ttgtgtttat 600
tccattgttt tcatttgga tttatatatt taatgtagag aatttataaa caagacaaga 660
aataagaggc aaacactagt cttgcacccc ttttcctgg 700

```

<210> 1447

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1447

```

ctgggtgctgt catccatttc tcccattttg gtgggtttta aacttttagaa aattcagtta 60
ctgtcatttt agttggttat aaagtgggag tttgtgttta ttccattgtt ttcatttggg 120
atztatattt ttaatgtaga gaatttataa acaagacaag aaataagagg caaacactag 180
tcttgcaccc cttttccctg gcactataac acctctgtat ctttgctatg cacatttaca 240
ttttgttaga aaaatgagat aatacattat atagttttta ctcctttttc acttaaaata 300
tatgaagagc attctccaat gtcagtattc tgcattttaa aaaagattac acaaaatggt 360
attgtgtaaa gtacagatat gcaaaaaaat aaaaagcccc atagtcccag catccagaga 420
taataatcat tgtaatat ttggtatctgt catgctagta tgtggatatg tacagggtaa 480
gtaccttatt cctaaaataa aagggaataa actttttttc tttttctttt tttttttttt 540
gagacagagc cttgctctgt cacctacgtt ggagtgcagt ggcaccatct tggctcactg 600
caacctctgc ctctcaggca caagcaatcc tcccacctca gcctcctgag tagctgagac 660
tacaggtagag ccaccacacc tggctaattt ttgtattttt 700

```

<210> 1448

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1448

```

aaagggaaat aacttttttt ctttttcttt tttttttttt tgagacagag ccttgctctg 60
tcacctacgt tggagtgcag tggcaccatc ttggctcact gcaacctctg cctctcaggc 120
acaagcaatc ctcccacctc agcctcctga gtagctgaga ctacagggtga gccaccacac 180
ctggctaatt tttgtatttt ttgtagagac caggtttcac catgttgccc aggtgggtct 240
catactcttg ggctcaagca atttgccctgc cttggactcc tgaagtgcta ggattacagg 300
tgtgagccac tgtgcctggc tgacatat ttattactta ttagtatttt ttttgagatg 360
gggtctcact ctgacaccca ggctgaggag caatgggtgca aacacggctc actgcagtct 420
caaaccctcg ggttcaagtg atcctcccac ctcagcttcc tgcgtagctg ggactacagg 480
gcaccatcat gccacacac attggctgat ttttaatttt tttttgtaga gataggggtta 540
aacctttaga cttaccacgg ttttactaat accagatcaa agaggtgcaa gataaatggt 600
tgctttttat tgcttgtctc ttttataaat tctctgcatt aaaaatataa attccaagta 660
aaaacaatgg aatgaacata aactcccact tcataaccac 700

```

<210> 1449

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1449

```

cattggctga tttttaattt tttttttag agatagggtt aaacctttag acttaccacg 60
gttttactaa taccagatca aagaggtgca agataaatgt ttgcctttta ttgcttgtct 120
cttttataaa ttctctgcat taaaaatata aattccaagt aaaaacaatg gaatgaacat 180
aaactcccac ttcataacca ctcaaaccat agtagcaaca accttatcct gttgcccagg 240
ttggctctga actcctgtgc tcaagtgatc ctcttatctt ggcctcccag tgtgctggaa 300
tcacaggcat cagccactgc acctggccta ttacttaatc taatacattt ctgcgccaaag 360
ccccggaaga caaataatta caaataattc ccataacaat gataagttca tacattcatt 420
aagtaaagt ttattgagt cttactgtgt aggtgctaaa caaacagca cagtctctgc 480
cctcttagag atacattcta gtgggtagag ataatagaaca aacacatgat atatagtatg 540

```

```

ttagaccgtg aaaagtacag tggagagggg aaaaaaagag ggcaggtaga atgagtgagt 600
acactattat atatgggatg gtgacgtaag gcatcactga gaaggtgtta tttgagcaga 660
gacctgaagg atgagaggaa gtggccatgc agatatttgg 700

```

```

<210> 1450
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1450
agtgggtaga gataatgaac aaacacatga tatatagtat gtttagaccgt gaaaagtaca 60
gtggagaggg aaaaaaaaga gggcaggtag aatgagttag tacactatta tatatgggat 120
ggtgacgtaa ggcactactg agaaggtgtt atttgagcag agacctgaag gatgagagga 180
agtggccatg cagatatttg ggggaagaaa tttccaagct gaaggcacia gtaagtgcaa 240
aggccctttt cttattttgt tcatgctgct gtaacagaac acctaagact gagtaattta 300
taaataataa aaattttattg cttacagtgc tggaggttgg gaaatccaag atcaaggctc 360
cagcagaatt cgtgtctggt gagggctgct ctctgctccc aagatggtgc cttcttgctg 420
tgtcctcatg tggtagaaga gccaaaggga agaactttct cctcaagcc cttttatgag 480
gtcatgaatc ccattcctcc atggcctaata cactttttaa gtgcccact tcttaatagc 540
atcaccttgg ggatttaagt ccaatgtatg aattttggag ggaaacatac actcaaacca 600
tagtagcacc aaagcaggaa aatgccact gtgctgagaa ttagcaagga aagccagaag 660
gagtggaggg aggcatggga gaagatactg tcagagaagt 700

```

```

<210> 1451
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1451
catggcctaa tcacctttta agtgccccac ttcttaatag catcaccttg gggattaagt 60
tccaatgtat gaattttgga gggaaacata cactcaaacc atagtagcac caaagcagga 120
aaatgcccac tgtgtctgaga attagcaagg aaagccagaa ggagttaggg gaggcattgg 180
agaagatact gtcagagaag tatgtccaga gcatatggag acttgtaagc cattgagagg 240
actgaggatt tcatgatgag tgacataggg agccactgga ggttttgagc agaggagtga 300
catgactcaa tttacctttt ttcttttttt aaaaaaattt gaattaacgt tatatttacg 360
gaaaagatac aaaaatagta cagacagttt ccataatccc tccacttacc cagcttctcc 420
caatggtaac acattacata atcatagtgc aatgatcaaa aacagaaaaa tgagcatgga 480
tttatttaagt aaactggatc ctatttcta ctcaccagtg tttccattca catccttttt 540
cagtttcaag atcaaccacg gatctcacag tgcattgagt taattctctt tgggtctcctg 600
cagtctgaat ggttcctcag tcttgtcttt cataacgctt acattttcca ggaatactga 660
tgagttatgc tgtcaaatgt tcctcagttt ggtccccctg 700

```

```

<210> 1452
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1452
cctattctaa tctcaccagt gtttccattc acatcctttt tcagtttcaa gatcaaccca 60
ggatctcaca gtgcattgag ttaattctct ttggtctcct gcagtctgaa tgggtcctca 120
gtcctgtctt tcataacgct tacattttcc aggaatactg atgagttatg ctgtcaaatg 180
ttcctcagtt tgggtccctt ggtgttttct cctaattgca ctgaggttct acattttcac 240
agagatgaag ttggggccct ctcactgcat caggtcacag ggttcatgag gtacatgcct 300
tcttattggt gatgttgacc ctgaccactt gggttaagatg gtttctgtca ggttcttcca 360
tgataaaaatt actatctttc ccttttttagt taatatattg ggaaagatag tttgagatta 420
tataaaatctt ttctcagatt tgtgcctact aatattagct tcatcagtga ctcttgctctg 480
aaatgatctt tattgtggta tttgcctagt gatgactttt ctttttccct ttcttcttac 540
atttattact tgtaattcta ctataaagaa gtgctgtcct tgtccctcat tttttttaa 600
gtaagtactt gtgtatagcc acataagttc atgaatattt attttactct atcggttata 660

```

atccaatact gtctttatatt tgtttctcaa attgttctac

700

<210> 1453

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1453

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atttgcctag tgatgacttt tctttttccc tttccttcta catttattac ttgtaattct 60
actataaaga agtgctgtcc ttgtccctca ttttttttaa agtaagtact tgtgtatagc 120
cacataagtt catgaatatt tattttactc tatcggttat aatccaatac tgtctttatt 180
ttgtttctca aattgttcta cctttgatca ttgggagtta cttcagggtg ggttctgtgt 240
tctttgaaca aactctacct ttttttttaa aaaaaatatt ttcttaattt ctggcaccac 300
aaaaaattct agggtcattt tgtattttcc ttgcctcagc cctgaagtca accacttcac 360
caaggagcca gagttctttt tattgaagag cgtgttttaa aatcgagatc ttggaagtag 420
gtgtcctcat tattactggg gtgtcatcac actgggcctt ctttaaataa ctttgttact 480
ttcactataa gttttcatta ttttcttagt ggttaccctg gggattacaa atgaacacct 540
taatttagat gaatgtcaac ttaattttcca tttcaaaagt tcctatatag ctctgttgcc 600
tctctctttt gtagcattat tgtcatataa attatatatt tatacattat aagcccatca 660
acagtgttaa aattcttaat gcagttccct ttcaatcatg 700

```

<210> 1454

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1454

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atthttcttag tggttaccct ggggattaca aatgaacacc ttaatttaga tgaatgtcaa 60
cttaattttcc atttcaaaag ttcttatata gctctgttgc ctctctcttt tgtagcatta 120
ttgtcatata aattatatatt ttatacatta taagcccatc aacagtgtta aaattcttaa 180
tgcagttccc tttcaatcat gtaggaaaag agttacaacc caaaataactt tttttttttt 240
tttgagaccg agttttgctc ttgtcaccaa ggctggagtg cagtggcgtg atctcagctc 300
accgcaacct ccgcctcctg ggttcaagag attctcctgc ctcagcctcc tgagtagctg 360
ggattacagg cgcccaccac aacgcctggc tgattttttg tatttttagt agagacaggg 420
tttcaccatg ttgggcaggc tgggtctcaa ctctgacct caggtgatcc gccacctcg 480
gcctctcaaa gtgttgggat tacaggcatg agccactgct cccagcccc aaaatacatt 540
tatactttta tattacctat atatttacct ttaccagtac tctttatttg agtattcatg 600
agcatttgag tctagtttca ttttacccta aaggattcat tctcctttta tatttcttgt 660
agggcaagtc tgggtgaagac agattatcac aatgtttgtt 700

```

<210> 1455

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1455

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ttacaggcat gagccactgc tcccagcccc caaaatacat ttatactttt atattaccta 60
tatatttacc tttaccagta ctctttatatt gagtattcat gagcatttga gtctagtttc 120
atthttaccct aaaggattca ttctcctttt atatttcttg tagggcaagt ctggtgaaga 180
cagattatca caatgtttgt ttatatggga gtgtcttcat ttcttgtttt tgaaggacag 240
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gcactttggg aggccaaggt gggaggactg cttaagacta ggagttaaag accagcctgg 360
gcaagacagc aagaccccc gtctcttaaa aaattttttt ttttgagtgt ggtggcacat 420
gctggtagtc ctatttgaga ggctgaggaa agagaattgc ttgagcccag gagtttgaag 480
ctacagttag ctatgattgc accactgcaa aaataattct tggttgatag tctttttcat 540
tcagcacttt gaatatgtca tctcactgct ttcaggcctg cattgtttct taagagaagt 600
cacttcttag ctttacttgc ttctttcggt tgagatctct ttttcaacaa tttgacctg 660
atgcatctaa atgtgaatcc ctttgagttt accctacttg 700

```

<210> 1456
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1456
 caccactgca aaaataattc ttggttgata gtctttttca ttcagcactt tgaatatgtc 60
 atctcactgc tttcaggcct gcattgtttc ttaagagaag tcacttctta gctttacttg 120
 cttcttttctg ttgagatctc tttttcaaca atttgaccat gatgcatcta aatgtgaatc 180
 cctttgagtt taccctactt ggagtttggt caatttcttg gatacgaaga ttaatgtttt 240
 cataaaattt gggaagtttt gggctactat ttcttcaaat agtctttctg ctcttttctc 300
 tctctctctc ttctgggatt ctcattatga ttggtatact tggcattttg gtacacttga 360
 tagtgtctca aaggtctctg aagctctctt catttttctt cattcttctg tctattctctc 420
 agactgtata atctcaattg accggctctt gaactcactg attctttctt ctgccagttc 480
 aaatttgctg ttgaccccca tctagtgaat ttttatttcc attactgtat ttctcaactc 540
 cagaatatct atttgattct tttttataat gtttgctctc ttactgatag tcctgataat 600
 ttggtgaaac atcattctca taatttctt taattcttta gactttgttt ctggttagttc 660
 cttgaacatg tttataatag ctgatatcta aagtctttgc 700

<210> 1457
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1457
 atctagtga tttttatttc cattactgta tttctcaact ccagaatata tatttgattc 60
 ttttttataa tgtttgtctc ctactgata gtcctgataa tttggtgaaa catcattctc 120
 ataatttctt ttaattcttt agactttggt tctgttagtt ccttgaacat gtttataata 180
 gctgatatct aaagtctttg cctagtaagt ctaacatctg ggcttctca tagattgttt 240
 ctattgactg ttttttaaat tgctgtttat ggcattgggtc agatgttctt gttctttgtg 300
 tgtcttgttt taaatactct atcaattatt gaagtcagat tacctactct ccagggtctg 360
 cacctgttac tatttcttat tgttgctgct gttgggttgt tctgtgtctt tcctggacta 420
 attctgcaaa ttctatatgc tttgtcatgt ttggttctctg aagtctctac tcagcctagt 480
 gggtaagcga ataattggac agatatttct ttctaattgcc ttgaaccaat aaattttcta 540
 gcttttgtca agtgtgtgca tgtgtgtgta tttgtggagt catgtcattg atgtgtcagc 600
 agacagttta caactgcctt tatcttcatt tctggcatga attgagtttc aaggtcagtc 660
 agagatgaga gcttaggacc ctctcaggac atgcatacat 700

<210> 1458
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1458
 cagatatttc tttctaattgc cttgaaccaa taaattttct agcttttgtc aagtgtgtgc 60
 atgtgtgtgt atttgtggag tcatgtcatt gatgtgtcag cagacagttt acaactgcct 120
 ttatcttcat ttctggcatg aattgagttt caaggtcagt cagagatgag agcttaggac 180
 cctctcagga catgcataca tccctgcaca tgcacatgga cttctagatt cccaggaata 240
 tgcttgagct tgtcaaagct cccgtggaca tcttcttccc agatttttcc ttttaagttt 300
 cttggctcagc cttttgttag ctccacctgg taacgctgcc tcaggcagcc acagggttaa 360
 tcagttgcc a ctgattattc tgcaggaagg gctgttttca gactgagctc tgagttaagt 420
 caaataaaga taggtcctga aaatggagct tttcagtgag ttgccagaca agacaaatag 480
 aggcagttct ctagttagtg agatctgggg gacctccaaa tctattctgt ctctccagt 540
 ggctactagg ttgctgattt tcacagatac taagagggct gttgggtttc aagttaccat 600
 ggattaagag agaagggcat gggattaggg caacttaaaa tgccactttc tgctctgaga 660
 ttcagctgtt ttctttaa aaacacacct cagtttgtcg 700

<210> 1459
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1459

```

gagatctggg ggacctccaa atctattctg tctcctccag tggctactag gttgctgatt 60
ttcacagata ctaagagggc tgttggtttt caagttacca tggattaaga gagaagggca 120
tgggattagg gcaacttaaa atgccacttt ctgctctgag attcagctgt tttcctttaa 180
taaacacacc tcagtttgct gctatccatt agttaatttc caaagttctg aaaaagttga 240
ttttgacatt tttgccagtc ttattgcttt tatgaagaag cagattttgg atggctttta 300
ctccaccctt atggaagtag aaatccttta gatattaaaa ttataaattt gtacagatcc 360
tttgattcca atcaacacca aggggttctt tttatggcct cctttcctga tatgcaaaca 420
cctttttcca acagtgcgaa actcagttcg tttatctac aacacaggta tgtatttggt 480
tgactttagt atgtacataa aaatttcgaa attgctaacc cacaccctg tgagaaacac 540
attttcttga gttacttttt aaaaagatca ctggctgctg tgttgagaac tacagggagc 600
aggcccaaaa tcagtgggag cagttacgtg gttactcaga ttattcaggt tagagatggc 660
agtggcttgg accagagcaa tgatgggtta gatcaggggt 700

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<210> 1460
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1460

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aaaatttcga aattgctaac ccacaccct gtgagaaaca cttttcttg agttactttt 60
taaaaagatc actggctgct gtgttgagaa ctacagggag caggcccaa atcagtggga 120
gcagttacgt ggttactcag attattcagg ttagagatgg cagtggcttg gaccagagca 180
atgatggttt agatcagggg tccccaaacc ccgggctgca gaccattacc tgcctcagc 240
ctgttaggaa cagatcgca caacaggagg tgagtgcag gtgagggagc attaccgct 300
gagctctacc tctatcaga ttggtgggtg cattagattc tcacgggagt gcaactcta 360
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ctgatgatct gagatggaac agtttcatcc cgaaaccatc cccctcacc caccgctcca 480
tggaataatt gtcttcact aaatcggtct ctgggtgcaa aatggttggg gactgctggt 540
ttaaattggtg aggcattggt agattccgga tgttttgaaa attgaacca tagtattaaa 600
ctgacgaatt agatataaga tgtaagataa agaataaggt ataatgcaa tttttgcctg 660
agcaattgga ataattggagt tgccattaac agaagagatt 700

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<210> 1461
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1461

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taaatcggtc tctggtgcca aaatggttgg ggactgctgg tttaaatggt gaggcattggt 60
cagattccgg atgttttgaa aattgaacct atagtattaa actgacgaat tagatataag 120
atgtaagata aagaatcaag gataatgcca atttttgcct gagcaattgg aataatggag 180
ttgccattaa cagaagagat tcaagtctg ggagaaagac tggttttggt cattttaagt 240
tttagacgtt tattagatat tcaagtgcag atagatgccc agttatccac aggcagctga 300
atatatcagt caagcattta ggagagatct ggattggaca caaacattta tgagttatca 360
gtgtatagat ggtggttgta ggagtgggtc gtgcctgccc tatatcctat gatcctagga 420
actgccagtg tgctcctgcc aactttcagc tgctgctgct tttttttttt tttttttttt 480
gtcttttttag acaggggtct actctgccac ccaccaggc tggggtgcag tggcacaat 540
cacagctcac tgcagccttg aacctcaga ctccagggat cctatctcag ccaagtagct 600
gagactacag gtgtgcacca ccatgccttg ctaatttttt aaaaatttta tgtaaagatg 660
ggatgtcact atgttgctca gactttcttt ttaactgtg 700

```

<210> 1462
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1462

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cactctgccca cccacccagc ctgggggtgca gtggcacaaa tcacagctca ctgcagcctt 60
gaaccttcag actccagggg tcctatctca gccaaagtagc tgagactaca ggtgtgcacc 120
accatgcctt gctaattttt taaaaatttt atgtaaagat gggatgtcac tatgttgctc 180
agactttctt tttaaactgt ggaaagcagc tgtgtcggta cacatggcaa gccagtaact 240
aacatgtgct agaatagcct tcactcagta accctggcaa gttgttatat aaatactcca 300
ggctctcttg cccttaggtg ggataattct gaggtatata ttttgccaaa ctccccagag 360
tctccctggg gcaccaaact ctaattgccc acttaccgta gctggcttaa tagtaactt 420
ttcattggct gctttctctt tcatacaca tttccccaat ttcctactga ttactttcac 480
gtgaagcatt gttttacgct ctgcttcttg gagaacccaa actaagataa tttaaagcta 540
tgagactgga tgagatcacc aaataagtgga gcacagagaa gaaaagaggc gcagactctg 600
agtactaaaa cctgtgacat tgagggggcca gggaaatgag gaggaacag caaaggaaac 660
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<210> 1463

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1463

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tctgcttctg ggagaaccca aactaagata atttaaagct atgagactgg atgagatcac 60
caaataagtg agcacagaga agaaaagagg tgcagactct gagtactaaa acctgtgaca 120
ttgagggggc agggaaatga ggaggaaaca gcaaaggaaa cgggatgtgc aggtgttgca 180
gggaggaggc agagctggat tccagtaggg ctggggattg tcgggacagt ttgagtacaa 240
tgcagtggag ggtgacataa tgatgagcca tggaaattta gttgaataag gagagaagta 300
caggcatcag ggaaacaacc tgtgaaaaag ccatagaatc aatggattga aatctcagt 360
gggtcaaaga attgctgggg ttgaggacca caggaaaatt gtagacacca tggggttatt 420
ggagagttag atgcttaaaa ctgagatttt ggaggggtgc agttattgtt attaaaagga 480
cggggctcta gaataagacc atagaactga gtatcttctc actggaggaa acaaaaagg 540
gctgaggggg gccaaaggtag gcagatcact tgaggccaga cgttcaagac cagcctggcc 600
aacaaggcga aacctgtct ctactaaaat acaaaaatta gcctggtgtg gtggtacatg 660
cctgtaatcc tagctacttg ggaggctgag gcaggaggat 700

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<210> 1464

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1464

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catagaactg agtatcttct cactggagga aacaaaaagg ggctgaggga ggccaaggta 60
ggcagatcac ttgaggccag acgttcaaga ccagcctggc caacaaggcg aaaccctgtc 120
tctactaaaa tacaaaaatt agcctggtgt ggtggtacat gcctgtaatc ctagctactt 180
gggaggctga ggcaggagga ttgcttgtat caggagggca gaggttgtag tgagctgaga 240
tggtgccatt gcactccagc ctgggtgaca gagcaagact ccacctcaa aaataaaaaa 300
gactgagagg ccaaggagtt gtattagacc atcacttgga tattgaaatc agcaatgatt 360
attagtaatg gggtgacact gaaccgggag ctaaaactct caacaaataa gagggagtga 420
ccaagctggg aatgaaagat aactgcaaca agagtgaat gaagacagct ttttcttgaa 480
cacttacaca gtatttagta ggtggcaagc agttctaagc agtttgtaa taatgtcatt 540
caatcttcat aacaacccta caaaatatgt accattttac ccacttttac atataaggaa 600
acagaaaaca ggacaaataa cttgctcaag gtccccagct agtgagtggg gtgctaggat 660
ttgagcccag gcagtctggc tcattctaac ctccatccat 700

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<210> 1465

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1465

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aggtggcaag cagtttctaag cagttttgtaa ataatgtcat tcaatcttca taacaaccct 60
acaaaatatg taccattttta cccactttta catataagga aacagaaaac aggacaaata 120
acttgctcaa ggtccccagc tagtgagtgg tgtgctagga tttgagccca ggcagtctgg 180
ctcattctaa cctccatcca tgctgtgatg gctattcatt ccaatgtggg gaagggggat 240
atltggagac tgatctagaa gcagcaatga gaagccagaa aggcacctat cccacctcca 300
aaccatggg cttcttggaa tgaaagcagc cactctcaga agtgctgcca aggatgccac 360
atattcaggg ggaaaccaga tttaaaattg ggaagtctgt ttttaacttg aaatgatact 420
tttgtttcac tgcctatatt gatcgtgtat tgcctttgtt attccttgct gcaacaacta 480
gcactttcat taacatgttg atagaaggta actggcttta atatttactg agaaatgttt 540
tattttgcag ttaagatgac tgtttaattt tgatttagca acagataaca ttaagaaaat 600
attatttgca aaactgtgag tttgctaaag ctaggagatg ttgaatttta tcaaatatag 660
ctgctagant tttttcagaa tttttttcac cttcggtttt 700

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<210> 1466

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1466

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ctgtttaatt ttgatttagc aacagataac attaagaaaa tattatttgc aaaactgtga 120
gtttgctaaa gctaggagat gttgaatttt atcaaata gctgctagan ttttttcaga 180
atlttttttca cttcgggttt tattatagtg atggatttat caacagattt ttcattttct 240
gaaatcttgc attcttggga taaaaatc tgggttattg tggatgttta atatatgact 300
agaattgatt tgctcttaat cttactcgtg attacattta ggaccccccc ccacccccacc 360
accacccccca ggatactctg tcttaaggtc cttagcttta atcacatctg caaagtttcc 420
tttgctgtat aaagtaacag tcacgggttc tagaaatcag gacctgtcta tctttggggg 480
ccaaccattt aacctagcac agatagatgc cttaggacct tagggcttaa ttctcttctg 540
gaccagttg agaaaagctg tctaggcaaa catgctcatt atagctacag atggcacaaa 600
accatgccat gtgactgaat caagaccggg tatggctctg gctgactctg aatgacaaaa 660
ctctacaaag cataattcaa aagcgtgtga cttggttgca 700

```

<210> 1467

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1467

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cagatagatg ccttaggacc ttagggctta attctcttct ggaccagtt gagaaaagct 60
gtctaggcaa acatgctcat tatagctaca gatggcacia aaccatgccca tgtgactgaa 120
tcaagaccgg gtatggctct ggctgactct gaatgacaaa actctacaaa gcataattca 180
aaagcgtgtg acttggttgc attctgtgtg gaatggaagg attcaagatg tcagctggca 240
attccaggaa aaactgtgat taggcttttc ttagaagtgg catctgaaga gcaaatggag 300
aggcctgttc ttccaggtct ggttggacce tacagggagc aggccttgac tctgtgagtg 360
agcctggctt gccttcacac tggcaatgcc cacttagaga ggaatcagga ttgatggtga 420
agccagtatg ctacacagga tagacgcaga ggagtgttac aggccttctc acgatgggca 480
gatcaggcct caagtggtea gagctttcca aagggtgggtg tgcacagtgg agaatttcct 540
ctctgtagag agagctctga gtctggatga ccatctggaa gggatagtga ggagaagaag 600
gtgggtgggt ctgacttaga tgattactta aggttctctg caaactttga gacccattc 660
aactacttca aattttagtt ggggaaacca agtcccagag 700

```

<210> 1468
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1468
 agagctttcc aaaggtgggt gtgcacagtg gagaatttcc tctctgtaga gagagctctg 60
 agtctggatg accatctgga agggatatgt aggagaagaa ggtggtgggt actgacttag 120
 atgattactt aagggttcctg tcaaactttg agacccatt caactacttc aaattttagt 180
 tggggaaacc aagtcccaga gagagaggtc actggattta taaagttaaa agcagagcca 240
 aacatacatc tcaccatttc tggtcattcct cagatattaa tactcagttt ttcaaaccac 300
 atgcaaggaa gtaaatccag aggtaacatt taactatgat ttaaaaaaat accaaaacca 360
 taaattttca aggcagtaat tatctccttc tcaacagtgc tttgagaaga agcatgcatt 420
 tgcactgggg agggaggcac agagtgcagt ctgggctgta ctgctgaacc ctgaaggcct 480
 gacagaggct gcctggaatg ggatgaagag cagcaaatca gaaacaggca atctgtccaa 540
 ttttcagtga aacaagtttc atgatttttag aacctctcaa catccaaaat cctagacaca 600
 atgttccttt gaaagaatat attttcttat tgactaagtt gatatgagaa ataagtttct 660
 tattatacac tttctgagga cctacatttc tatggcattt 700

<210> 1469
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1469
 gggatgaaga gcagcaaata agaaacaggc aatctgtcca attttcagtg aaacaagttt 60
 catgatttta gaacctctca acatccaaaa tcctagacac aatgttcctt tgaaagaata 120
 tattttctta ttgactaagt tgatatgaga aataagtttc ttattataca cttctgagg 180
 acctacattt ctatggcatt taaatcttgg atatttttaa tgaacattga atcccaggga 240
 gctaacactg catttcacaa tctctgagca ctgatcgatg ttctttttta tcctgtagaa 300
 tttctccaca tattcagaac gtccataaaag ctccacaaaa tcttcatcat gagtgtattc 360
 cagaagctgg aagttacgct gctgtgagcg actttttatt atcctgcaac aatatattca 420
 gaacatatta ttagtaaaga gcataacccc ttctttgatt tgaaaagtca ccgcaaacct 480
 tgtcagacac atgaacttgt gctgtgtgtc agggccccag ctaccctgca ggaagtggag 540
 ggggtggccc aggccttcag gccagccagg caggagtctc ttctcctctc cagacagtag 600
 ggacacatgg cctgactcct cacttaggtc tggcttaggg actcacagga atacaagaac 660
 tagtttcttc cagatcagaa gttctcacta aagcaggtat 700

<210> 1470
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1470
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 ggccagccag gcaggagtct cttctcctct ccagacagta gggacacatg gcctgactcc 120
 tcacttaggt ctggcttagg gactcacagg aatacaagaa ctagtctctt ccagatcaga 180
 agttctcact aaagcaggta taaatatttt attgagtttt ccttaatatc caaactgttc 240
 aactatagaa ggcttactcc ttgcgcctggg attttcctga cctgttacta cttttctctg 300
 gaagaaaaat ttaaaagtaa taaagacaaa ctacaggtaa ggggaataac actgctttct 360
 taagagctgg gtctacttag aattctgcca ccaccagtca ctagatgcat cattactatg 420
 acacacaggg acctgagtgg gtgttctggt aacattttgc tgaggtaacc agcaatgtga 480
 ctgaaacctg aaagactttt tcttttagct agccacttat ccccttctct gagctggatg 540
 catttgaggt ttcaaaaagca ctgcgcctta cttgtgatga tggctgcaga aaggtggccc 600
 tgcgtgctg agctctcctt ctggccctct ctgccagaaa gggactgtct ggagccagga 660
 gtgcctgaaa cacctccttt gacctcaggg aaactgcctt 700

<210> 1471
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1471
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 actcgccctt acttgatgat atggctgcag aaaggtggcc ctgcgctgct gagctctcct 120
 tctggccctc tctgccagaa agggactgtc tggagccagg agtgcctgaa acacctcctt 180
 tgacctcagg gaaactgcct ttttctctgc cagcatagtc cttatgcaag agctgcttga 240
 caaccttggc gtctacactg accccagggtg aatgtggtaa aaggtgtgca attttaccct 300
 cactggactt tacctaactt caaataagct ttttgagtaa gagctctgtc attcctcaca 360
 gttctctgac acatgtggaa agctggggag acagtcctaa acccactacc actacctgca 420
 gatgtcttag cagggcatgc taattgctgt gcatgacatg tgggttcctc tggtaggttt 480
 acaggaaaac caggccagga acccctcaca gtgactctct ccctgtgaac acacttgggg 540
 agctgcagga tgtgtctggg gctgctgttc accatctagt tccttttagga gggatctgaa 600
 gaattactat caaaaggtaa agcccagggc ctggcaccaa ctggcttccc caagaagtgg 660
 ggaacacagc tagagaacgt tttcatcaca gaactctctt 700

<210> 1472
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1472
 aaccctcac agtgactctc tccctgtgaa cacacttggg gagctgcagg atgtgtctgg 60
 ggctgctgtt caccatctag ttccttttag agggatctga agaattacta tcaaaaggta 120
 aagcccaggg cctggcacca actggcttcc ccaagaagtg gggaacacag ctagagaacg 180
 ttttcatcac agaactctct tggttttgaa gaactatcac aacctgtccc caaatgtgag 240
 atacttactc aaccagagca tgtgcaagag atacttactc aaccagagca tgtgcaagag 300
 attcaatgtt ttctcgggtc agatgtgttg ttggctcatc caaggcaatg atgccacagt 360
 tgaggcagaa cgtttcagcc agggccaggc gaatgatgag tgaggctaata acctggaaaa 420
 aagcccctat gtgagaagcc cagcacagac cttctcatct catggcaggc aagcagtcct 480
 gacatgatct ttccagcagg gaaaagtggg aaacgtcaca ggttctactgt taggtaaaagc 540
 actgccctct gggagagccc agcactggga ccagattctt atgtcctcca gaaggagaac 600
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 ctcacataaa aaattacatc agctacaacc aacttgagac 700

<210> 1473
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1473
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 cattcaccac aaaacaaaat gctcagaaca acgctgatgc tctcacataa aaaattacat 180
 cagctacaac caacttgaga ccaaaggcta gaaacagaga caatgccatt tatctgtaat 240
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 atgggatctg ttagaaaact tcgacacggt ttctagagcc tctcactttt tctctgctac 360
 ctttaaatct ccatattctt gtgtataatc ctgagactga gagaataaaa aagaaaatcc 420
 taggtcaaag tatcaggagt atagaaatgt ggtttcagtt aagcttacct gtagaaaatc 480
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 agaccactg aaaccatctg aggatacaag acacacagaa ttgagagagt agggctattc 600
 taggaagtat aaactactct ggtgtgagct gtaagtcccc tttccccctc agtttgtggg 660
 tgggtgcgca cacatcagtg agttggtaat tttagaatag 700

<210> 1474
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1474

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ggcattttcg tgggttactag aaacctaata ctaaaaccct cagaccact gaaaccatct 60
gaggatacaa gacacacaga attgagagag tagggctatt ctagggaagta taaactactc 120
tgggtgtgagc tgtaagtccc ctttccccct cagtttgtgg gtgggtgagc acacatcagt 180
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gctgtcaact ctaccaccac ccactcacat gcagagcccc tggctggctg ctagagcctc 360
agcaaaagcc agtgtttaggt aggctggagg cccacctcca ttatttggtc tctccccctc 420
caccaaggag acaattattg ctaattaatt ttcataactc agaataagta caaaaaatct 480
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tattttctca tttataatta ccactaaaaa tcatcaaagc acgtagggat actgattaca 600
gatcacaagt ttgtcatttt tgtagactat gatttagaca gtaatctgca gatgcttta 660
attgggatca gctgtctagg ctgacaacat aatacatata 700

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<210> 1475

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1475

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gaaagtattt ttaattcaaa gagaccatgt ttcaaactct gtattttctc atttataaatt 60
accactaaaa atcatcaaag cacgtaggga tactgattac agatcacaag tttgtcattt 120
ttgtagacta tgatttagac agtaatctgc agatgcttta aattgggatc agctgtctag 180
gctgacaaca taatacatat atgcatggca tgttcttttt tttttttttt tttgagacgg 240
agtttgcgtc ttgttgacct ggctggagtg caatggcacg atctcggtc actgcaacct 300
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cacatgctac catgcccagc taatttttgg atttttaata gagacggagt ttcaccatgt 420
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gcgattacag gtgtgagaca ccatgcccag ctgcatggca tgttctttaa gcaaaaaactg 540
caaaactatga aaatgagtta gataatgtaa gcattctatt ctatgatttt agaattttat 600
ttaaaaaaag tcaagggcct agaggtgtta tcaagtgtta tcttctgcct tgatctgaaa 660
gcagaaagct caagtatctg tgacatcttt gttacaaacc 700

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<210> 1476

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1476

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accatgccc a gctgcatggc atgttcttta agcaaaaact gcaaactatg aaaatgagtt 60
agataatgta agcatctatt tctatgattt tagaatttta tttaaaaaaa gtcaagggcc 120
tagagggtgt atcaagtgt atcttctgcc ttgatctgaa agcagaaagc tcaagtatct 180
gtgacatctt tgttacaaac ctgtgcacag tgaaggatcc agccttggtc cccaaggatg 240
ccatattcct gattctttta aacttcattc ctcttctga tttccaatgt aggtgtcct 300
cacagagcct tacctgaagc cagatggcct gacccagcag ctaagtcttt gtgtatgctg 360
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atattcattc tagcttaagc tagaatctgg tttgcaatac tattatgtca ttgattctga 480
aacatcttat gggtataatt gcattttttc attcctgctg gcacataaaa tagtggtatg 540
tcttataact gatgagacag tgaccttatt ctgataagga gtgccatgaa aactctaacg 600
ggctcttcagc ttcttgttct acatttagcc tatcctgtga gaatgcttca ggcccttctt 660
ttaaaagtct acataatgtt gcaggaaatg ttgggttagct 700

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<210> 1477

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1477

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gtgaccttat tctgataagg agtgccatga aaactctaac gggctcttcag cttcttggtc 120
tacatttagc ctatcctgtg agaatgcttc aggccttctc tttaaaagtc tacataatgt 180
tgcaggaaat gttggttagc ttcaggagag tgtaataata gtagctgagc ctgattcatt 240
ttatatagca gcaaagagct tcccaccatt caggtgtagc cttgggtgct tccactgcac 300
tgatgtttgt ttctctcttt cagttacttg ggtgagttgg ctccccaggc ttttgagata 360
cctgcctttt gtccagcact gcacgtcctt cgcataatcca aggctgtgtc tcccttcagc 420
atcaccactc ggtagttata attccgcctt ttatcagaag ctgatacatt ttcacgggca 480
tcagaccgta tttctatgta ttcaatatct gacacaggaa gaagaatatt ttagaggaaac 540
ctatgctctg tagccttttg tcattttacaa acatatcaag taagcctagg aacaacagat 600
gaggctgaca ttaccagagg aaaacaatgg ctggtgtgga aactctttct ctggctggga 660
ggattcaaga gcctggtggt ctggccagaa gcaaccagaa 700

```

<210> 1478

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1478

```

attcaatatc tgacacagga agaagaatat tttagaggaa cctatgctct gtagcctttt 60
gtcatttaca aacatatcaa gtaagcctag gaacaacaga tgaggctgac attaccagag 120
gaaaacaatg gctggtgtgg aaactctttc tctggctggg aggattcaag agcctggtgg 180
tctggccaga agcaaccag atgccccagt tcctcagcct caactctttc ttagtttccc 240
tgtaagagt ttctccagg ccaggcgagg tggctcacgc ctgtaaaccc aacactggga 300
ggccaagggtg ggcagatcac ctgagggcag gagtttgaga ccagcctggc caacatgggtg 360
aaaccccatc tctactaaga atacaaaaaa ttagccagggt gtgggagcgc gcacctgtaa 420
ttccagctac tactcgggag gctgaggtgg gagaatcacc tgaaccagg aggtggagggt 480
tgcagtgagc caagattgca ccactgcgct ccagcccggg tgacagagaa gtgcgagact 540
ccatctggaa aaaaaaaaaa gaaaaagaaa aaaaaaagag tttcctctgg atggtttttc 600
ttattgcatt ttggcttata cctatctaca ctatgacaga acctattatg tcatcagcta 660
aatataatgc ctactgcagt caaatatgta agtcctgtta 700

```

<210> 1479

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1479

```

accactgcgc tccagcccgg gtgacagaga agtgcgagac tccatctgga aaaaaaaaaa 60
agaaaaagaa aaaaaaaaaa gtttcctctg gatggttttt cttattgcat tttggcttat 120
ccctatctac actatgacag aacctattat gtcacagctt aaatataatg cctactgcag 180
tcaaatatgt aagtcctggt aggcctctgga acagaaaact ttacattttc ttgctacaag 240
atggttgccaa gataagaatt cttagaaaat ctcaaagaca tgcttagaaa ggggtccagg 300
gaggtaatgc tggcatgatg agaggtcata aggggaagag ctgaggagag ggctttggaa 360
agagcatttg tgataacca tgggtactcac cttgtccacg ataggtactt cgccacaggt 420
cacgtataat tttattgatt tcttccattt tcataactgt aaatttcatt attgctctgg 480
aaaagggaagt cattgggtact tcatatatat aaaaaataat tatgtgtaat agtaatatata 540
aaatacataa aatatataat atataaaaaa tagaaatata aataacttcc tcaatatatt 600
caatggtaaa agtagaatat agtaagagct acaaaaaata acagcagcaa aactttgctg 660
cttggctaata actgaaaatt ggcaggctta tttctagtgc 700

```

<210> 1480

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1480

```

ttcatatata taaaaaataa ttatgtgtaa tagtaatatt aaaatacata aaatatataa 60
tatataaaaa atagaaatat aaataacttc ctcaatatatt tcaatggtaa aagtagaata 120
tagtaagagc tacaaaaata aacagcagca aaactttgct gcttggctaa tactgaaaat 180

```

tggcaggctt	atctctagtg	ctccaggggt	acccttctcc	atattcactc	tctaggatac	240
aacaaatact	cctttacgta	aatacttaaa	tactgtgaaa	acttcaggaa	acataatctt	300
ttagactttt	ttcttaggcc	gtggtaactt	attggaggga	atgcttcac	tgatactcac	360
gggtcacagg	aaggcctgct	gaatggacga	cagggagtta	aagggtagaa	ggtttacggg	420
tagccaaggg	gcctgcagtc	tatggggaaa	ataggagaat	cgaactgcca	ccttgctcct	480
cttctatcac	tgtaagggct	taccaaagt	cagcttctta	tggtggtttt	attcctcaga	540
tcttagatct	ttaccaactg	gaagcttttg	ttcagcgaga	atgatttaga	agcttaagct	600
gaactgacat	caaaatctta	ttttaccttt	ccttcacaga	ttcagaaatc	ctaattctaa	660
atattaactt	ccatatttat	attccaaatc	ctaactctaa			700

<210> 1481

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1481

ttaccaaag	tcagcttctt	atgttggttt	tattcctcag	atcttagatt	tttaccaact	60
ggaagctttg	gttcagcgag	aatgatttag	aagcttaagc	tgaactgaca	tcaaaatctt	120
atcttacctt	tccttcacag	attcagaaat	cctaattcta	aatattaact	tccatattta	180
tattccaaat	cctaactcta	agcactaaat	tccacttagt	ccagacatgt	ccctgtcctc	240
aactctcttt	taaggtagta	gtttctaaac	actaaaaaca	aagaggagaa	atgtttgtta	300
aagcaaaagt	agcctgtcaa	aacctaacat	tgttcccacc	acagtcacct	ttcatcaaaa	360
agcccttagg	ttctttggaa	gcgggtttat	gaactaataa	atgttgacc	agtggtaaaa	420
aggcaaacat	tactgcgatc	atcatacaaa	ggatgtgagg	atgtgaggcg	acttacttcc	480
atctgcaggc	ctcttatctg	atgcatacaa	aaaaagaaac	tgaatataat	gctactgcct	540
ctgtagaatc	atctcgtgat	cttctgggtc	accagcaaga	gagaaagaaa	tgactcaaca	600
taaatacatt	ttaaatatca	gatgaaggac	tgtgaagtag	tagaagactg	gaaaaaacca	660
tattctgctt	gttgatgaga	atgcaacaag	tctccatttt			700

<210> 1482

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1482

gatgcataca	aaaaaagaaa	ctgaatataa	tgctactgcc	tctgtagaat	catttcgtga	60
tcttctgggt	caccagcaag	agagaaagaa	atgactcaac	ataaatacat	tttaaatatc	120
agatgaagga	ctgtgaagta	gtagaagact	ggaaaaaacc	atattctgct	tggtgatgag	180
aatgcaacaa	gtctccattt	tctaccttat	acattttatc	cagcctaaca	ttttatgctc	240
ctttcaaaaag	gagacaaaac	atctaagtat	ttcctaaaaa	caaaacaaaa	ctgatggaat	300
gttagacca	tcatgtaaag	actgcctttc	catagcttat	atatcatgat	cctgattttt	360
caaatagacat	taaaaaaaag	ttatcttttc	attcaagtta	aaaatcttca	aaaactaaca	420
taagcattct	aatgtggaga	acaagctcca	gacaaggcag	gggtggccaa	ggcgcacacg	480
tgcagtctgc	cttggctccc	ttatacaaca	caggtggtgc	atcctgtccc	atggccagggt	540
ctgctgagac	acagcactgc	gggaaaaaga	tctagtccag	ggagaggtct	caaccaccca	600
aagagtgtgt	cggatggagt	tgatgactac	cactgtggga	cggaccatta	actcatcttc	660
gtatcctctc	tgtctactat	ggaatttaca	gctgtactgt			700

<210> 1483

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1483

cttatacaac	acaggtgggtg	catcctgtcc	catggccagg	tctgctgaga	cacagcactg	60
cgggaaaaag	atctagttca	gggagagggtc	tcaaccaccc	aaagagtgtg	tcggatggag	120
ttgatgacta	ccactgtggg	acggaccatt	aactcatctt	cgtatcctct	ctgtctacta	180
tggaattttac	agctgtactg	tgtaagagat	ggggatgact	aaggctcgta	cagtaatcta	240
cataagggaa	taacaatgat	aataatgatt	attattgatg	accattttacc	atatgcgaga	300

```

caaaactatg ctaaataatc aatttcattt aatccttacg acaatactgg gaattagata 360
ctgttatctc tatttaccat taacaaaact aagattcaat gaaatcagtg acttgttcaa 420
gatcagagaa aagtggctag gatattaaca gcccttgaat atgacagtta aaattgaaaa 480
ggcagtcaaa attccatctt ttaaagccac cagactcagt tttatgaggg aatggtatca 540
aatcttcaag acacacctag ctcccaagta tataagggtat gacacagcaa ggagaaacat 600
aaggggaaaa aagtacaagg ctatttttct tatgaatata aacattctaa ataaaacgaa 660
athtagtagt aagggtagta aaaagaatat atcatgacca 700

```

<210> 1484

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1484

```

tttaaagcca ccagactcag ttttatgagg gaatgttatt aaatcttcaa gacacaccta 60
gctcccaagt atataaggta tgacacagca aggagaaaca taaggggaaa aaagtacaag 120
gctatTTTTtC ttatgaatat aaacattcta aataaaacga aatttagtag taagggtagt 180
aaaaagaata tatcatgacc aagtagtggt tacaacaaga aagaaacagt aaaactgggg 240
aaaataattc aactaatata gtagcagatt aaaaagaaaa aaataatttt tcaatagatg 300
tcataaaaaac atttgatata ctgtaacact gaattttgat aaaatatctt aagtgaaaaa 360
tcaaagaatg tttctttaac tggacaaaat gactccctca gatatccaca gcaagcatca 420
aatttaattt aaaatctata gaagtgttcc tcctaaaact aagaagagaa agatgcctcc 480
tattatggct gctctaaaat aaggctcctg aaatccctaa cgattcaggg atttcacgat 540
tcaaatccct acctaaaaag aaatgagaaa tgaaaaaaag agagaaaagc ctgtcattat 600
ttttgcaggt gacagaattg tatgcttaga aaatccaaga aaatcaactg aaaaattatt 660
cagactaatg agatagccag agataaatat ataaaaatga 700

```

<210> 1485

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1485

```

taaggctcctg gaaatcccta acgattcagg gatttcacga ttcaaattccc tacctaaaaa 60
gaaatgagaa atgaaaaaaa gagagaaaag cctgtcatta tttttgcagg tgacagaatt 120
gtatgcttag aaaatccaag aaaatcaact gaaaaattat tcagactaat gagatagcca 180
gagataaata tataaaaaatg aagttttatt atctagaggc aaacaccaat aggaaaggca 240
atagaaaaaa aaaggatcct attcacagtg gcgataaaaa ccctaaaatg cctaggaata 300
agtctaacaa aagggtatag gagctagagg aaaaagctgt aaaactttac aataggataa 360
aaggaaatga ttgagcagga gatgcatact aaggagtcca gaatggtaga tgtgatatta 420
caaagatgtc cgttctcctc aaataatcca taaattaaat gcaatccaaa cagaaacccc 480
aataaaaatta aaaaatgctt aacagaatcc ataagctgac tctaaagttc atatagaaga 540
gataatacaa aagaaaaaaa ataaatttta aaagttggta tacaaggaa aatccagaaa 600
caaaccctaaa tgcatataga acgttagttt ataactgcaa cagttcaaat caactggaaa 660
gttttcaaca gtgttacaaa agataaaaaa aaaattatta 700

```

<210> 1486

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1486

```

taacagaatc cataagctga ctctaaagtt catatagaag agataataca aaagaaaaaa 60
aataaatttt aaaagttggt atacaaagga aaatccagaa acaaaccctaa atgcatatag 120
aacgttagtt tataactgca acagttcaaa tcaactggaa agttttcaac agtggtacaa 180
aagataaaaa aaaaattatt acccgttatc caacctcaaa ataaaatcca aatgaatgaa 240
aggattaaaa gctaaagtat ttgggcagct gaggtgggag gattgcttga gcctggagtt 300
tgagaccagc ctgggcaaca tagtgagatc ccatctctac aaaaaaattt aaaaattagc 360
tgggtgtggt ggtgagtgcc tgtagtccca gctacttggg aggctgaggt gagaggatca 420

```

```

actgagcccg ggaagttgaa gctacagtaa gctgtgatca tgccactgca ctccagcctc 480
ggtgacagag taagaccctg tctgaaaaaa caaaaaacaa aaaacaaaag ctaaggtaaa 540
ataaaaacaat cagatgaaaa cattttgata attttaggat tgggaagcct ttctaaataa 600
ggaacaaaaat tgagaagcca taaatcaaaa gactaaagat ttgactacct aaaaattaaa 660
agttacaaaa gataccataa agaaagctga ggcagctggg              700

```

```

<210> 1487
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1487
gtctgaaaaa acaaaaaaca aaaaaacaaa gctaaggtaa aataaaacaa tcagatgaaa 60
acattttgat aatttttagga ttgggaagcc tttctaaata aggaacaaaa ttgagaagcc 120
ataaatcaaa agactaaaga tttgactacc taaaaattaa aagttacaaa agataccata 180
aagaaagctg aggcagctgg gtgcggtggc tcacacctgt aatcccaaca ctttaggagg 240
ccaaggcagg cagatcactt gaggtcagga gtttgagacc agcctgacca acatgggtgt 300
accctgtctc tactaaagat acaagaatta gccaggcgtg gtggtacatg cctgtagtcc 360
cagctactcg ggaggctgag gcaggagaat cgcttcaacc cgggagatgg aggcggaagg 420
aagtaagctg agattgtgcc actgcactcc agcctggacg acagagctag actctgtctc 480
aaaaaaaaaa aaaaaaaaaa gaaaaaacga aagaaaattg atggacaaac gataaactgg 540
gaataggtac ttgcaatgta tgtgaaaata attaacatct agaacttatt aaaatgtgac 600
aatcaagaa acagacaacc tagtagaaaa actggcaaag agatatgaat aggtaattct 660
tggagaagaa atacaaatag acaacataca aaaagacatt              700

```

```

<210> 1488
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1488
agaaaaaacg aaagaaaatt gatggacaaa cgataaactg ggaataggta cttgcaatgt 60
atgtgaaaaa aattaacatc tagaatctat taaaatgtga caaatcaaga aacagacaac 120
ctagtagaaa aactggcaaa gagatatgaa taggtaattc ttggagaaga aatacaaaata 180
gacaacatac aaaaagacat ttaacttcac tagtaaagag ggaaatgtaa attaaagtgc 240
aagctttttt tgtgcagcca ataaaatgtc agtaacaaaa tccagacatg gaatgggcac 300
tttcatacac tattggtgga aatttttctaa gtgttttttag aaggcaattt ggcattaact 360
aaaaaatata cataacatct gagccagtaa ctccatttct aggaagctgt ctttttgaca 420
tatctgcttt agtgtgcaaa gacacactct gcagcattat ctgtagtagc acatatttaa 480
aagcttttcta atatgttcaa tagtggttaa ataaagtaga tatcatgcat ttacagaat 540
atgcagccat taaaaatata aggtacttga atatatgaac gtaaaagatt atcaccacgt 600
taaatggaaa aaaaaactca gaaaaatatc taccttgtga taatgcttac aaagaacaaa 660
aaagatgtat ttgggtgtac tatgtgcaaa gccattgtga              700

```

```

<210> 1489
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1489
atagtgggta aataaagtag atatcatgca ttttacagaa tatgcagcca ttaaaaatac 60
aaggtaactt aatatatgaa cgtaaaagat tatcaccacg ttaaatggaa aaaaaaactc 120
agaaaaatat ctaccttgtg ataagtctta caaagaacaa aaaagatgta ttgggtgta 180
ctatgtgcaa agccattgtg agggaaatga aaatatgtca ccaacttaat aattcttaag 240
ggctgaatca aagttagaca ctgtcatgga aatgagccta agtctacctt gaagtgtgtt 300
ctgtgggttg cagttatgga gcgtggggaa gcccaatat ctgtaataca aggctgaatg 360
gctttagttg tataagtggg acaaaatatt attaagtaca aaggtaggaa aaaaatcaca 420
tatgtttggg aagggcttaa tcaacataac attccaagga tgggagagat agcacaggaa 480
aatatgggac aaaattgttt ggttagaaca cacttggtag taggaattga aatgggaaag 540

```



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cccaggtatg gaagtcattc ctaaaattag aaggggaatag ggaccaccag ctttaggaaa 600
atgaagctgg cagaagtata atgggtggag gtgggggtag gaaggacggt aagagataag 660
agggtggaaa ggtgccacgg taataggtag gaggtaacta 700

```

```

<210> 1490
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1490
tggttagaac acacttggtg gtaggaattg aaatgggaaa gccaggtat ggaagtcatt 60
cctaaaatta gaagggaata gggaccacca gcttttagga aatgaagctg gcagaagtat 120
aatgggtgga ggtgggggta ggaaggacgg taagagataa gaggtgggaa aggtgccacg 180
gtaatagggtg agagttactt aggctgaagc catggaaaga aggcagctct gggctgggtg 240
cggtggctca cacctgcaat ccagcactt tgggaagcta aggtgggagg atagcttgat 300
cccaggaagt caaggctgca gtgagctgtg atcatagcac tgcactccag cctgggtgac 360
agagtggatg cctgtacaag aaccctatag gagctattga gtgacatata gtggcccaat 420
taacttaaca cgcttttatc acttggactt tacaggcatt taacatcaaa taacttacag 480
aatgaccttg aaagtccatg actgtctggt gaggcaaaga tttgaatttc atgggctgca 540
aactggtatg gtcaagtagc catctggcta gtgtatcagc tccaccacct gcctggagta 600
tgcacatctc tcagttaaat gcatatacta actcatgcga agtagtatga tttctttgtg 660
aaaactggct cttaaagtga gaggccaggt gagggtggctc 700

```

```

<210> 1491
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1491
gactgtctgg tgaggcaaag atttgaattt catgggctgc aaactgttat ggtcaagtag 60
ccatctggct agtgtatcag ctccaccacc tgcctggagt atgcacatct ctgagttaaa 120
tgcataact aactcatgag aagtagtatg atttctttgt gaaaactggc tcttaagtgt 180
agaggccagg tgagggtggct cacgcctgta atcccagcac tttgggaggc caagggtgggt 240
aatcacttg aggtcagatg ttagagacca ccctggccaa catggtaaaa ctctatctct 300
actaaaaata caaaaattag ccggtgtggt ggtgggcacc tgtaatccca gctatttggg 360
aggctgaggc agggagatcg cttgaacctg ggagggtggag gttacagtga gccgagtttg 420
caagaatgaa ctccagcctg ggtgacagag ccagactctg tcttaaaaaa aaaaaaaaaa 480
aaaagtgaga ctctctcgga gctcagaaaa taatgattta taaattactt tagtctgata 540
tttaataact cattaagagt ctgaaagatt tcattaaaaa tttcagtaac aatcgattgc 600
atthttatgag gaaaaatgat ggctttaatg gcatttatat ttctggtaat ccatgaaagt 660
cttaacaagc ttgtccagcc tgccttattt tggtgttctg 700

```

```

<210> 1492
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1492
agctcagaaa ataatgattt ataaattact ttagtctgat atttaaatac tcattaagag 60
tctgaaagat ttcattaaaa atttcagtaa caatcgattg cattttatga ggaaaaatga 120
tggtcttaat ggcatttata tttctggtaa tccatgaaag tcttaacaag cttgtccagc 180
ctgccttatt ttgttgttct gttttgttct aggtcttttag cagactgaag ccatggtttt 240
tagttttgtc tctagtgatg agcagaaaag agggatgagg aagaggcttt actggtccaa 300
ccagaaagag aagctaagaa cccatgactg gattctctcc cttggacacc ccacagacca 360
atatctcacc ttccaggaga agacccttcc agctcttgct tctttaaacc tattaactta 420
gttttcttta gctagactcc caaacatcag cttttacaat tcagcctatg gttcaatcac 480
tatggcaaga taaacatttg tttagggtgtg aaacaccact ggctatcttt gggttttgta 540
atctaccctc ttgaggttgc aggagctact gtgaaacctt actgcatcca tggatcatgat 600
agagatgggtg actctaaggt gagccctgaa taaagccctc atctgaagct cccctcgaat 660

```

gcagggaccc aggctctgaa gagcctcaca gaaagctggc

700

<210> 1493

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1493

```

gttttaggtgt gaaacaccac tggctatctt tgggttttgt aatctaccct cttgaggttg 60
caggagctac tgtgaaacct tactgcatcc atggatcatga tagagatggt gactctaagg 120
tgagccctga ataaagccct catctgaagc tccctcgaa tgcagggacc caggctctga 180
agagcctcac agaaagctgg ctaccttggg tgcaaaactg taaaggttac gtgtttacaa 240
tgagtcttaa aagaagcatg acctggccag gtgctgtggt catgcttgta atccagcac 300
tttgggaggg caaggcaggt ggatcacaag gtcaagagat caagaccatc ctggccaaca 360
tggtgaaacc ccgtctctac taaaaatata aaaaattagc cgggtgtggt ggcaggcgcc 420
tgtaatccca gctacttggg aggccgaggg agaagaattg cttgaaccgg ggaggtggag 480
atggcagtga gctgagatcg caccattgga gtccagcctg ggcaaaaaga gcgaaactct 540
gtctcaaaaa aaaaaaaaaa agtattacct aatatgcaac cttccacatc tggggaaaaa 600
tgagagtaga acattttggg catggggtag aacaccatat cttgagtgat atattctaac 660
atcatttaaa ttggtatatt gtattagtat ggggtaatac 700

```

<210> 1494

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1494

```

gcaccattgg agtccagcct gggcaaaaag agcgaaactc tgtctcaaaa aaaaaaaaaa 60
aagtattacc taatatgcaa ccttccacat ctggggaaaa atgagagtag aacatttttg 120
gcatggggta gaacaccata tcttgagtga tatattctaa catcatttaa attggtatat 180
tgtattagta tggggtaata cattccaaat gatggataat ttcccccttt tcatctatgt 240
gtctctgacc actgccaatg cttatactta gtgatgtttt tagatgatta ctaataacag 300
atggtaatca gcttttcttg aaaatgcact gctgacttcc tgtgttacct taaatagaca 360
gctgaacgca acaattacac tgactgcatg ctttattcta agacgtgaaa gaatgaggga 420
aattttgtac cttactttct tctgggtgag aaggcaaatt tagggctcac cgtataaatc 480
ttgagaaggc cactgtttgc gagcataagc cacaagact caattttggg gaaatttgta 540
tcacctcttt tcattttaga gaatccatct gagtaccagg taagagaact cagtaaacag 600
cctggctttg ttcttaaca agcctaaatt gctagaaagc actcctgtac ctctccaccc 660
cgccaggctc caccaagctc cctcataggt cctcattctg 700

```

<210> 1495

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1495

```

cgagcataag ccacaaagac tcaatttttg ggaaatttgt atcacctctt ttcattttaga 60
agaatccatc tgagtaccag gtaagagaac tcagtaaaca gcctggcttt gttccttaac 120
aagcctaaat tgctagaaag cactcctgta cctctccacc ccgccaggct ccaccaagct 180
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ggctctccatc agacagactg tcagcagttt ggaggaggga cagggaaga tattcctgtt 360
ttcccagagc ctgacaagaa agtggcagag caagggttgt tgaattcttt tttatttttt 420
ctcttatagc ctaatcttgg aagtgaaggg aattcttatt cctgctgcca ctggttctca 480
gggtatgcag ggatagctgg agagctccta cgtatgtttt tctattcagt gaatacatat 540
gaaaccccag gtctgcaggt caatgggctg taagagaaga gctgaccttg cagcaaaata 600
cttacaagta aaattgaaaa caaaaccaac ctgcctatct aacttggtcc ctggtccact 660
ctaaccattg ccccatTTTT cttgctcccc gtcacaggag 700

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<210> 1496
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1496
gagagctcct acgtatgttt ttctattcag tgaatacata tgaaacccca ggtctgcagg 60
tcaatgggct gtaagagaag agctgacctt gcagcaaaat acttacaagt aaaattgaaa 120
acaaaaccaa cctgcctatt taacttggtc cctgggtccac tctaaccatt gccccatttt 180
tcttgctccc cgtcacagga gaagtgttta taagaattat ctatattctc tgtctccatt 240
tcttttttct ttttttttct gagacagttt ttttctcttg ttgcccaggc tggagtacaa 300
tggcacgata ttggctcact gcaacctccg cctcccgggt tcaggcgatt ctccctgcctc 360
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tttttagtaga gacgtggttt ccccatgttg gtcaggctgg tctcgaactc ctgacttcag 480
gtgatccacc cgccctggcc tcccaaagtg ctgggattac aggtgtgagc caccgtgccc 540
ggctgctgtc tccatttctt actaccatt ctctcccac ccaacttgac cgggcttcag 600
ttccaactgt gccactgact gctcctcagt cattaacaac ttccattttg tcaaatttaa 660
gggccacttc ttagtcctta tcttatttga ctccaaatag 700
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<210> 1497
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1497
ctcccaaagt gctgggatta caggtgtgag ccaccgtgcc cggctgctgt ctccatttct 60
tactacctat tctctcccca cccaacttga ccgggcttca gttccaactg tgccactgac 120
tgctcctcag tcattaacaa cttccatttt gtcaaattta agggccaactt cttagtcctt 180
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gataccacat cttttaaaaat cttttcccac atcaccagct gcttattttac tggatttgca 300
aacataacta gtggtgggac ctttcccttc tctctctatg ctcatccac atgtgatctc 360
atctcatggg ttaaatgccg tggatatgct gatgactccc cagtgtacac ctttcacttg 420
aactctagga tgcagggtat atatccaact gcctgcttga cagctctgct tagatatcta 480
caggcaactt aaacttaaaag tgtacaaaac ggaactactg attttctctc cccagtccca 540
cccatttttag ggaatggcaa cctgttctcc caatatcctg ttgttcaagc aaaaatatgt 600
aggagcaacc tttgggttatt ttactttccc tcccttacac tcaattcaga agcaaggcct 660
gtcaactctc tctccagaac aaatcccaag tctatcactt 700
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<210> 1498
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1498
gtgtacaaaa cggaactact gattttctct cccagtgccc acccatttta gggaatggca 60
acctgttctc ccaatatcct gttgttcaag caaaaatatg taggagcaac ctttggttat 120
tttactttcc ctcccttaca ctcaattcag aagcaaggcc tgtcaactct ctctccagaa 180
caaatcccaa gtctatcact tctctccatt ttcactgcta ccactgatc tagcccacca 240
ccatctcttg gttactacaa gtctcctcat cagtctctgc ttttactctt gccctttaca 300
atccattctc cacacccagc agccagtgca atttcttcca actagaaatc agattatatt 360
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ttgtttacca aggctacaag gcatgacata ctctgggaat ggtctatccc tgactatatt 480
ccacccatgc ttgccttctt cctggctctt gaacactttc tgttcgtact ggtcttggtc 540
gctgcagtaa ctattctctc tacctggaac gcctgcaccc cattttttgc atatcttgct 600
cccttctcat caatcaggtc ccagcttaaa ggcccatctg ttatgctcac attgttcatt 660
ttcactgtaa tacctaccac tactacctat tttgttatta 700
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<210> 1499
 <211> 700

<212> DNA
<213> Homo sapiens

<400> 1499
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ctacctggaa cgctgcacc ccattttttg catatcttgc tcccttctca tcaatcaggt 120
cccagcttaa aggcccatct gttatgctca cattgttcat tttcactgta atacctacca 180
ctactaccca ttttggtatt aatttatttc ttaattttgt ttcttcatcc ttatatactt 240
agtatctaga acagtatcaa gcatttatgt actcaaattt ttattgaaca aaatcctaata 300
atacaactat gtattatgta cacaagcacc tcaactgaaga gttacaaaat atatagaat 360
aagttatggg tctaaaccag gaagtataag taacagttaa aatgctttta tataaatact 420
agttttttta cggttataaa aaaaggctcat gcccgtaatc ccagcacttt gggaggctga 480
ggaggggtgga tcacttgagg ccaggagttc aaaactagcc tggctcatcat ggcgaaacct 540
cgtttctact aaaaatacaa aaattagccc agtgtggtag cacatgcctg taatcccagc 600
tacttagaag gctgaggcat gagaatcgct tgaacccaag aggagaggt tacagtgagc 660
agagatcacg ccactgcact ccagcctgag agagctgaga 700

<210> 1500
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1500
gccaggagtt caaaactagc ctggctcatca tggcgaaacc tcgtttctac taaaaataca 60
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tgagaatcgc ttgaacccaa gaggcagagg ttacagtgag cagagatcac gccactgcac 180
tccagcctga gagagctgag agaaccagtg agactccgtc tccagaaaaa taaaaaaaaa 240
agcagggggc cactatggta gcagcatgct acagtgggtc tgatatctaa ttttatctct 300
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attattgtct tctatgcaca gccctcaacc tcaaagaatg tttaaatggg aacagaaacc 480
tacgttttct taatgaattt agttcttttag tgctattaaa gaatagagaa tttagaact 540
taacttacat taaagaatgg aacatgacaa aggaagctgg actaaatcgc ctctgagctt 600
ttctgactct atactgaata atagtataga tttttaaaaa ttctatttta tagatgagga 660
aacggaaaact cagagtgtct aaataatttg ctaaatatct 700

<210> 1501
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1501
tagttcttta gtgctattaa agaatagaga atttaagaac ttaacttaca ttaagaatg 60
gaacatgaca aaggaagctg gactaaatcg cctctgagct tttctgactc tatactgaat 120
aatagtatag atttttataaa attctatttt atagatgagg aaacggaaac tcagagtgtc 180
taaataattt gctaaatatc ttcagtcagg actcaaaatc accactatgg agaatagtat 240
ggaggttcct aaaaaaacta aagacagAAC taccatatga ttctgcaatc ccacttactg 300
gatatttacg caaaggaaat gaaatcatta gggtgaggag atatctgcac tcccatattt 360
attgcagcac tgttcataat acctaagatt tggaggaac ctaagtgtcc atcaacagat 420
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tgtgggaggc tgaggcgggt ggatcatttg aggtcaggag ttcgagatca atatggccta 540
catggcaaaa ccctgtttct actaaaaata caaaaattag ccagggtggtg tggcaggaac 600
ctgtaattcc agctactcgg aggtgaggt ggaggttgca gtgagctgaa atcacaccac 660
tgacttcag cctgggagac agagactccg tctcaaaaaa 700

<210> 1502
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1502
tggatcattt gaggtcagga gttcgagatc aatatggcct acatggcaaa accctgtttc 60
tactaaaaat acaaaaatta gccaggtgtg gtggcaggaa cctgtaattc cagctactcg 120
gaggctgagg tggaggttgc agtgagctga aatcacacca ctgcacttca gcctgggaga 180
cagagactcc gtctcaaaaa aaaaaaaaaaag ttgttcatat atacaatgga gtgctattca 240
gccataaaat aaaatgagat cctgtcatct ggaataacat ggatggaact gaaggacatt 300
atgttaggtg aaataagcca ggcacagaaa gacaaaactt gcagtgttctc attcatttgt 360
gggagtga aaataaaaca attgaactca tggagatagt ggagatgata gttaccagag 420
actaggaagg gcagtggaga tggttaacaa gtacaaaaat atagtaagaa taagatctag 480
tatattatag cacaacagag tgactacagt caacaatgta ttgtacattt aaaaataact 540
aaatagtata attggaatgt ctgtaacaaa aggaaggata aatgcttgag gtgatggaaa 600
cctcatttac cctgatgtga ttattatgca ttgtatgcct gcatcaaaat atctcacgta 660
ccacataaat ataccggcta tatagccata aaaaataaga 700

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```

<210> 1503
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1503
gtgactacag tcaacaatgt attgtacatt taaaaataac taaatagtat aattggaatg 60
tctgtaacaa aaggaaggat aaatgcttga ggtgatggaa acctcattta ccctgatgtg 120
attattatgc attgtatgcc tgcatacaaaa tatctcacgt accacataaa tataccggct 180
atatagccat aaaaaataag aataaaactt tttttaaaaa aaagaattcg gccgggcgcg 240
gtggctcacg cctgtaatcc cagcactttg ggaggccgag gcgggcggat cagcagggtca 300
ggagatcgag accatcccgg ctaaaacggg gaaaccccggt ctctactaaa aatacaaaaa 360
attagccggg cgtagtggcg ggcgcctgta gtcccagcta cttgggaggc tgaggcagga 420
gaatggcggt aacccgggag gcggagcttg cagtgaagcc agatcccgcg actgcactcc 480
agcctgggag acagagcgag actccgtctc aaaaaaaaaa aaaaagaatt caaatctgg 540
acatctgtag tgttcagaga cagcactttt aaccatgtat tatggacttc tgaggctttt 600
taaaaaaggt aaaacttatc atgttggact tttatacaaa gtccaatgtc ttgcttttaa 660
tatccatttt tattttttcca tcacaaccaa cttatcttat 700

```

```

<210> 1504
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1504
gactccgtct caaaaaaaaaa aaaaaagaat tcaaaatctg gacatctgta gtgttcagag 60
acagcacttt taaccatgta ttatggactt ctgaggcttt ttaaaaaagg taaaacttat 120
catgttggac ttttatacaa agtccaatgt cttgctttta atatccattt ttattttttcc 180
atcacaaaca acttatctta ttccaaatag aagtttttgt gatttttttt tttttttttt 240
ttttgagaca gggctctctt ctgtcaccca cgctggagtg cactggcaca atcttggtc 300
attgcaaccc gccacgggct tctgagtagc tgggattaca ggtgtgtgct accacgcca 360
gataattttt gtattttttt gtagtgatgg ggtttcgcca tgttgcccag gttggtctca 420
aactcctgga cttaagcaat ccaccactt tggactccca aagtgttagg attacaggcg 480
taagccacta agcctggcaa aataggtttt taccaacaaa aatctgtttt gatttgtgtc 540
tcttcaaata aactataata tccttgctag aagttactgg atctcctatt ccttaatgct 600
caatgaatgt ttgataagtc tattagatac acagcatctg ttgttaaaga actaagaaaa 660
actaaaaagt ccctaaagg cataaatgag gtagctgaga 700

```

```

<210> 1505
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1505
aaataggttt ttaccaacaa aaatctgttt tgatttgtgt ctcttcaa ataaactataat 60

```

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atccttgcta gaagttactg gatctcctat tccttaatgc tcaatgaatg tttgataagt 120
ctattagata cacagcatct gttgttaaag aactaagaaa aactaaaaag tcccctaaag 180
gcataaatga ggtagctgag aagactaaaa agaattatta aaggcaaaaa aaaccaaaaa 240
acaaaaaaca aatatatgta tgtgtagtct actgggcaag aattccttaa gttttgctta 300
tgttcttggt tcagcacctt aaattccaag actaaccact ttaaactgct ggatctaata 360
tctaggagag atggcaatat tcaaagaagt taaaaacaa aagttctcat ttggtgcagg 420
catataattc tatgagccat tttggacca gggaacattg taatgttaac gtaccactc 480
acaatgaaat gggacaaaag atatatccat ggaatactct caaaaaattg ttttaaaagt 540
taaacttaat ctaacaaaaa tcttagtata atttatTTTT aaaaaataac atgttaattg 600
gctcactccc aatatttcac agtaaattgga tctaatttgt cttacatgat tacgtacttc 660
ctaaaacttg tatatgcca aaatatgcct aggcaattct 700

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<210> 1506

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1506

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gatatatcca tggaatactc tcaaaaaaatt gtttttaaag ttaaacttaa tctaacaaaa 60
atcttagtat aatttatttt taaaaaataa catgttaatt ggctcactcc caatattttca 120
cagtaaatgg atctaatttg tottacatga ttacgtactt cctaaaaactt gtatatgcca 180
aaaatatgcc taggcaattc tgggaccacc tttgttatca tctaacta aaaaagtcct 240
cactactgaaa ccagagttct cctgtcttcc tgagccctgt ggtctgaatg ccactgctca 300
ggttgggtctg ttgactatgc tgtatctgac cagaagtctt agaagagaag ctctctgtgt 360
aactctctta gtgctaagga agatatttgc cattctggaa aaaacaacca ccacaaaaat 420
ctaaggtaag taataattct cctgccacaa atgaacagaa ctactagata gacttataac 480
aaaacttatt ttaaattcat agttgagctc acaagaaaga aagggaatc cctacataat 540
agaaacgaag atagaagtga aaaccagacc agtcagtatg taacctgaca gacaaactaa 600
acttgggggtt attattatta ctgttattgt tagttttgag acagagtctc gttctgttgc 660
ccaggctgga gtgcagtggt gcaatcttgg ctcactgcaa 700

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<210> 1507

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1507

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tagttgagct cacaagaaag aaagggaaat ccctacataa tagaaacgaa gatagaagtg 60
aaaaccagac cagtcagtat gtaacctgac agacaaacta aacttgggggt tattattatt 120
actgttattg ttagttttga gacagagtct cgttctgttg ccagggtgg agtgcagtgg 180
tgcaatcttg gtcactgca acctctactt ccagttcaa gcgattctcc tgcctcagcc 240
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ccatgaactt ggcgttattg tttttataac ctagggttg gttcttatca tccaggacag 480
aagatgaagg ataggacca agtaagggaag aagattagaa gtgactccca acacacaaaa 540
aatgggactc ttcaagagct ataacatcaa tcctcaatga aagagtggaa aattaatgag 600
ttgaaaattc aaagtcttgg gcaaagtctt tatatagttt tgggggttcaa agttatgcta 660
ccagtgaagta tagtctagga acctaccaac taagaaatta 700

```

<210> 1508

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1508

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aagtaaggaa gaagattaga agtgactccc aacacacaaa aaatgggact cttcaagagc 60
tataacatca atcctcaatg aaagagtggg aaattaatga gttgaaaatt caaagtcttg 120
ggcaaatgct ttatatagtt ttggggttca aagttatgct accagtgagt atagtctagg 180

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aacctacca	ctaagaaatt	aacaaaaacc	ctacatgcag	gccaatgttt	tctctggagc	240
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agggagtctc	atagaaaaaa	caacactact	aaagataagc	acacaattaa	atgttaataa	360
aacacagaaa	cttcactagg	ggatagaatc	aacatacaaa	acagcagaag	cagactcctc	420
aaaatgtgaa	attaaaaaat	aacaatctga	aagagaatat	aaaatgtgta	tagttaaaat	480
gagtaaagac	acattcaaga	aggaatcaaa	atactaagga	agaaaataca	tcataagcct	540
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taaaatgagt	aaagacacat	tcaagaagga	atcaaaatac	aaaggaagaa	aatacatcat	660
aggcctggcg	cagtggctcg	catctgtaat	cctagcattt			700

<210> 1509

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1509

aaggaatcaa	aatactaagg	aagaaaatac	atcataagcc	tggcacagtg	gctcacatct	60
gtaatcctag	cactttggga	ggcctaggta	taaaatgtgt	ataaaatgag	taaagacaca	120
ttcaagaagg	aatcaaaaata	caaaggaaga	aaatacatca	taggcctggc	gcagtggctc	180
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tcaagaccag	ccggggcaac	atgacaaaac	cccatctgta	ataaaaatac	aaaaattagc	300
cgagtgggtg	catgcatctg	taattccagc	tatctgggag	gctgaggaat	gagaactgct	360
tgaactcagg	aggtggaggc	tgcagtgagc	cgagatcatg	ccactgcact	ctagcctggg	420
cgacagagcc	agactctgtt	ttaaaaaaa	aaaattataa	aaaaaccatg	tgagtttctg	480
aaaaagaaca	aaatagaact	tatagaaaaa	aatggaggaa	aaaatgacaa	ctcaataggc	540
agtataagta	gcagctaaat	aattttattt	acaagatatt	taccagagc	ccagtatatg	600
caagaggggt	taagcaatgt	agaggaaaga	ggagggttatg	tctaataaaa	agtgaagaag	660
gggaaaatag	tgagaaatgg	agaaagaata	atatttgaag			700

<210> 1510

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1510

ttatagaaaa	aaatggagga	aaaaatgaca	actcaatagg	cagtataagt	agcagctaaa	60
taatttattt	aacaagatat	ttaccacagag	cccagtatat	gcaagagggg	ttaagcaatg	120
tagaggaaag	aggagggttat	gtctaataaa	aagtgaagaa	ggggaaaata	gtgagaaatg	180
gagaaagaat	aatatttgaa	gagataatgt	atgaaaaatc	cccaaaattg	atggaagata	240
tcaatcctca	gatcaaaaag	cataatttat	gagcagaaga	actaaagctg	agtctagaca	300
cactattata	aaaatacaga	acactgaaga	caaagggaaa	aatcctaaga	gaaccagggg	360
aaaaaggcag	attacttttta	aaggaataat	taaaatgatt	tctcaactgt	aaccatagag	420
gccaacaaaa	aatgaaatat	tttcaaagt	ccaagagaa	aaaactgtca	atctagaact	480
ctatgctcag	ctaaactatc	aaattaaggg	gaaaaacttc	tcaaagactg	attgtttacc	540
actaacagtc	attcactgaa	aaaactattg	aagaatatac	tccaaaaaaa	gaaaactgaa	600
cctaaagaag	ggaggagtgg	gattttaaaa	gcaagaatga	acaaagaaat	tgggaaacat	660
gcgggcttat	gaaaccacca	caataattat	tactcatttg			700

<210> 1511

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1511

caaattaagg	ggaaaaactt	ctcaaagact	gattgtttac	cactaacagt	cattcactga	60
aaaaactatt	gaagaatata	ctccaaaaaa	agaaaactga	acctaagaa	gggaggagt	120
ggattttaaaa	agcaagaatg	aacaaagaaa	ttgggaaaca	tgcgggctta	tgaaaccacc	180
acaataatta	ttactcattt	gtgatgattt	aaaaacaagg	taaaactaaa	atattagaca	240
aaagaaataa	tgcagatgag	agaagataat	tagtatttcag	gaaaaagata	aaacaattca	300

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cattaaagct atgggttttta aactttgatg tgcacagaa tcacccaaaa tgtctgtcaa 360
aaatagactg ctggggcccta cctctcaa atttgatcga ggtctgggg agaagctgag 420
aggcatttct aacatgtttcc aaggtgatac tgataatggt gctccacgac cactttgaga 480
actaatgcat atgatttttaa gtcaataaag tatttaaaaa ttaaaaagta aacactcaaa 540
taactaaagt agaatacaac cgatccttga acacagggtt gaaccatgtg ggtctatgtt 600
tatgtagatt ttcttccacc tctgccatcc gagacagcaa gactgacccc tcctcttctt 660
cctcctctc ttcaatgtga agaggacaag gatgaagacc 700

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<210> 1512

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1512

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agtcaaataa gtattttaaaa attaaaaagt aaacactcaa ataactaaag tagaatacaa 60
ccgatccttg aacacagggt tgaaccatgt ggggtctatgt ttatgtagat tttcttccac 120
ctctgccatc cgagacagca agactgaccc ctctctctct tcctcctcct cttcaatgtg 180
aagaggacaa ggatgaagac ctttatgatg attcatttcc acttaacaga aaatatattt 240
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caacagtagg ctattagtag ttaagttctg agggaaatcaa aagttatatg tggatttctg 420
actgcgtggg gggcttagtg tccctaattc ccatgttata tgggtcaactg gataacccaa 480
agaagggaag aaggaggagt caagaaaaat aaatccatct caaaaaggca ggaaaggaaa 540
aaaagatggc agaaataaat ccaactcaat tgagtaatca gaatgaatat gaaaggccta 600
aattcactgg ttaaaagaca gacatacact ggataaagaa aattctgcta tatgtaatta 660
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<210> 1513

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1513

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tcaagaaaaa taaatccatc tcaaaaaggc aggaaaggaa aaaaagatgg cagaaataaa 60
tccaactcaa ttgagtaatc agaatgaata tgaaaggcct aaattcactg gttaaaagac 120
agacatacac tggataaaga aaattctgct atatgtaatt aagatgggtg gagaaatggc 180
acagagatag acaaagtgat gaattaagta gaacagagaa cccaggccaa cccaggcaca 240
tagggaattc tgatatatga cagaaatgac actgtaggtc actgagagaa ggatagtcta 300
caataaatag agccaagaca accagttatt cataacggaa aaaattcaac ttagaattaa 360
atacttaaat gtacttacat gtgaaaggca aaatttataa cttttagaca aaaatataga 420
agtagggcgt ggcagctcac gcctgtaatc ccagcacttt gggaggccaa tacagggtga 480
tcacgaggtc aggaaatcga gaccatcctg gctaacacgg tgaaaccca tctctactaa 540
aaatgcaata aaattagccg ggcgtagtgg cgggcgcctg tagtcccagc tactcaggag 600
gctgaggcag gagaatggcg tgaacctggg aggcagagct tgcagtgagc cgagatggcg 660
ccactgcact ccagcctggg cgactgagtg agactccgtc 700

```

<210> 1514

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1514

```

agaccatcct ggctaacacg gtgaaacccc atctctacta aaaatgcaat aaaattagcc 60
ggcgtagtg gcgggcgcct gtagtcccag ctactcagga ggctgaggca ggagaatggc 120
gtgaacctgg gaggcagagc ttgcagttag ccgagatggc gccactgcac tccagcctgg 180
gcgactgagt gagactccgt ctcaaaaaaa aaaaagatat atctctctct ctctctctct 240
atatatatat atatctttat atatatatat ctttatatat atatatatag agagagagag 300
agagagagag gagtagagag agagagagag agagagagag aggagtaggg aaggatttct 360
taacaagaca cacaaagagc taaccagaaa aggctgctaa attcaactaa ctcaaaatca 420

```



```

aatccagtggt catcaaaaaga tgctaagtaa aaaagataag cataatgttt gaaaagacat 480
ttgtaataca tataactgaa aaggaattga aatgcagaag agataaaagaa cacattttaa 540
tcaataagaa aagaccaata gggccaggaa caatgcctca cacctgtgac ccagcactt 600
tgaggaggccg aagtgggagg aatgcctgag ccagaggagt tgagggttaca ctgaactatg 660
attgcaccat tgcactctag cctagggtgac aaagagagag 700

```

<210> 1515

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1515

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aaaggaattg aaatgcagaa gagataaaga acacatttaa atcaataaga aaagaccaat 60
agggccaggga acaatgcctc acacctgtga cccagcact ttgggaggcc gaagtgggag 120
gaatgcctga gccaggagt ttgagggttac actgaactat gattgcacca ttgactcta 180
gcctagggtga caaagagaga ctctgtccca aaacacacaa aaagacaaga ctaataatgt 240
ataaacaacg attcatcatt ttaaacctat gaggttggca aacattaaga aatttataaa 300
accaatgtca gaggatccat caaataaacc cttatatact gctagtggta taaatcagta 360
gtcatttctg gaaaacaata ttattttgta aaattgagca tactcccaa tgcactccca 420
caaatataac cttatacctt tcctccagaa gacatgacaa gacctggaaa aaaaccccaa 480
atgtccatct gtaggagaat gaatgcattg tgggtctattc ccatagtaga ttatgtacat 540
cagtgaaaat gaatcaacta cggccataaa caacatggat aaacaaaagc aaatccaaat 600
aaaaaagcaa gtcctagaat atcatatcat ttttaaaaag ctcaaaatat gacatatata 660
tgataaaact gtttttttaa aaagcagaga aagtaaaaat 700

```

<210> 1516

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1516

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tgaatgcatt gtgggtctatt cccatagtag attatgtaca tcagtgaaaa tgaatcaact 60
acggccataa acaacatgga taaacaaaag caaatccaaa taaaaaagca agtcctagaa 120
tatcatatca tttttaaaaa gtcacaaaata tgacatatat atgataaaac tgttttttaa 180
aaaagcagag aaagtaaaaa tctttgtcac tgggttatagg gaatggggat gacagaaggt 240
tgagataaga agggagcatc taagtggatg ccaatcagtg ataatggtag attgggttaga 300
gggaggtagt atcatgaata ctgtagata ttaatatgct ttatatctta acttcataac 360
ttaagctagt gtgtgtttac atacatacat acatatattt tccaatccat ggtatacata 420
aaataccata tttaaagaga aaaaatgagg ggctgggcgc agtgggtcat gcctgtaatc 480
ccagcacttt gggaggccga ggcgggtgga tcacctcagg tcaggagtcc gagaccagcc 540
tgancnecat ggngaaacn ngtctctact aaaaatacaa nnattagcnn ngcgtggtgg 600
cangcnctg taatnccagn tacttgggag gntgaggcag nnaatcnnt tgaaccggg 660
aggcagaggt tgcagtgagc ngagatngtg ccattgcact 700

```

<210> 1517

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1517

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aggcgggtgg atcacctcag gtcaggagtt cgagaccagc ctgancnaca tggngaaacc 60
nngtctctac taaaaatata annattagcn nngcgtggtg gcangcncct gtaatnccag 120
ntacttgagg ggnrtgaggca gnnnaatcnn ttgaacccgg gaggcagagg ttgcagttag 180
cngagatngt gccattgcac tccagcctgg gnaacaanag tgaaactctg tctcaaaaaa 240
nnntaaaann nnaagaaaaa aaagaaaaan annnnanaan ngnnnnannaa nnnannttnn 300
nnnatntnaa ntgcantann naaatcccca gtctaatact tactgggtcaa gagtcttata 360
ataaatatcc agatccttgg tcacaagttc tggttgtcctc ataacaatca tcattttctct 420
atacttttcc tcagcatccc gaaattgtgg ttctcgaagt tctttcttaa aatgaataat 480
ttctttctta taacctttct gtcgccctaa tgccaaatta tgattttctt ttatattgtc 540
tatgttctct tccaacttct gatgttcact gtaaaaaaga aaaatgacaa atgaggacca 600
tttttttagt ttttaacaacc tgaagtggaa aagtcataga tttctttaga tagggttaagt 660
atcattctcc ttagcaatca gtatattata acagagtctc 700

```

<210> 1518

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1518

```

tgtgcacctt atgccaaatt atgattttct tttatattgt ctatgtttct tccaacttct 60
tgatgttcac tgtaaaaaag aaaaatgaca aatgaggacc attttttagc ttttaacaac 120
ctgaagtggg aaagtcatag atttcttttag atagggttaag tatcattctc cttagcaatc 180
agtatattat aacagagtct ctctctgctt attatttagg gctttggtac taaagaaaac 240
ccctctcttc cttccatata tctgcgcgac atagggttgc aaatagctaa ttttgtgtat 300
tacagaaccc tcatagcatg tgatcactga taaagttcct ggcctttaga cgctaagtaa 360
agcactctgg tgattaatat tacaatttca caatcttctg attgtgaact gagaatgcac 420
aattatcaac actaagaagt tatggataac aggcttcata atcattttgc tcatgtcaaa 480
ggcacaatac gaattaaatc atatatattt tttctgcagt aatacttatt aaaaatttag 540
attcctccat gaaaacaaaa tttctcttgc acaagtgtaa aaaccataat aatgaccaa 600
aaagtaaaat attcaaaact ttctgatatt ttggcagatt atacaaattt caatgtatgc 660
tttaaaaatc ttcattttatt tattatcact tattaagcat 700

```

<210> 1519

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1519

```

catatattaa ttttctgcag taatacttat taaaaattta gattcctcca tgaaaacaaa 60
atttctcttg cacaagtgtg aaaaccataa taatgaccaa aaaagtaaaa tattcaaact 120
tttctgatat ttggcgagat tatacaaaatt tcaatgtatg ctttaaaaaat cttcatttat 180
ttattatcac ttattaagca tctctttatg tgtcaggcac tactctcaag cttatgggca 240
tccttacaga gtcgactgga ttacaagtct tgttggcatt tctgttatgt cctggttgaa 300
gaaacgtttg aaaaatagtt gtacttagta atgtgaatga atgtaaaaag tactgttatg 360
taccaattac agaagaaatt ttttaaatac ctggtttttg tcttttagtag ccacgaatat 420
attattttat atcaaaattt cttctagaag cattactttt ccaacttgcc atggagagta 480
tcgtgtaaaa gaactgaggg ttgggaacta ggatattagg gtcacattct tggctttcat 540
cataatttcc tctgtgattt ttctgggtct aagtgtgcat aatgcataca aaaatgaaga 600
ctctgaagat gatgagctct tctagttaaa aatctgattt ccctgatata ggaaagagat 660
tttaaatagc taagagtact taaccaaacc acaggattaa 700

```

<210> 1520

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1520

```

cttgggaact aggatattag ggacacattc ttggctttca tcataatttc ctctgtgatt 60

```

```

tttctgggtc taagtgtgca taatgcatac aaaaatgaag actctgaaga tgatgagctc 120
ttctagttaa aaatctgatt tccctgatat aggaaagaga ttttaaatac ctaagagtac 180
ttaacaaaaa cacaggatta accatttggt aggccttata aattaaaatt cactttacta 240
tatccttttag aaaagcctgg gcattttttc attcagattt ctgtataaat tcaagaagac 300
atgaaaactc tacaaggaag gggtttaata atgagaggcc tggatttaac cagctgaggt 360
gggttgacaat ctaagtattt gcctagtaca accttttata ccagtctagt gccttagcat 420
caacaagggt cttacagaat tcctaaggca actaactcta aggagtcac ggaggaata 480
aaatcttttc tgctgtacca ggaaggtagc aactacaata agtaacaata agaccagata 540
aaggaagaat gaggctcatc tttcaaaaga aatgctctgg tggacacata attacaaatg 600
agaaaatcta aaatgaatct ctgtggataa atcactctgg caacaactcc attgacaata 660
ttatagactg tacaagctct gaccagaca aggtccacag 700

```

<210> 1521

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1521

```

aggaaggtag caactacaat aagtaacaat aagaccagat aaaggaagaa tgaggctcat 60
ctttcaaaag aaatgctctg gtggacacat aattacaaat gagaaaatct aaaatgaatc 120
tctgtggata aatcactctg gcaacaactc cattgacaat attatagact gtacaagctc 180
tgaccagac aagggtccaca gctccatatt ctttatgctt agtaccacta ttctgtgcag 240
caggctagca gatgtatggg ggctaagcat gttcaatact gaataactaa ggcccatcac 300
tacagtgtga ttaccaattc tatatcactt cttcagtaat aaagttctta aggccatgaa 360
atataattgt atcaaaacac tgttcacctt ctagtaactc tcaaaggata ccaggctgag 420
gctaaaattc ttttaaaaca ggtattttaat attcttcaca ttccagtaat aaagacgttt 480
atttaaactg aagattattt taaaagcata ccttttcatt tgcaaaacct gcatttgacc 540
catttccttc aaatgttggt ttctttcttc ttcaacttct ttagttcctt catttccttt 600
tcttaaagta aggttatctt gtagccacct ttctgtatc taaaggtaaa cattaaatta 660
gttaacaaaa ataaccaagt tactaacatg aaatctgtaa 700

```

<210> 1522

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1522

```

ttaaagcat accttttcat ttgcaaaacc tgcatttgac ccatttcctt caaatgttgt 60
tttctttctt cttcaacttc ttttagttcc tcatttcctt ttcttaaagt aaggttatct 120
tgtagccacc tttcttgat cttaaaggtaa acattaaatt agttaacaaa aataaccaag 180
ttactaacat gaaatctgta acaggcaact ggtgacagca agtgccattt ctgtcttact 240
tagaatcatg tgaaattcaa cagagggaga ataagccagt gtgaaggaat ctacaggctc 300
ggggcaatct ggatggccca tccccatcca cagtgaacaag tgtaatacct cctgtagcgc 360
agcttttact gctctttcac aaccataatc taaaaaccag gtctactggt tgatggggag 420
tctcataaag atttgagcat atatctgtgt acttatttac ttataaagta ttaaaaacat 480
acaaaacaga catttttaaat ggtgaaatta aaaatataac tagatatatt aatacctaca 540
tccccagtgg atcattttgc ataggaaccc catgataaag cctactgacc tgaaagatta 600
taagagatca atactactac tgaagtcttc cccaactttt tcgtcctagt tctgtctccc 660
aacatgtacc aagaccatta gaacctgtta ggtatatgtt 700

```

<210> 1523

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1523

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tggtgaaatt aaaaatataa ctagatattt taatacctac atccccagtg gatcattttg 60
cataggaacc ccatgataaa gcctactgac ctgaaagatt ataagagatc aataactacta 120
ctgaagtctt cccaactttt ttcgtcctag ttctgtctcc caacatgtac caagaccatt 180

```

agaacctgtt	aggtatatgt	tacctgcaac	ttctaccttt	aggttgacaa	attgtaatca	240
ctcaaggcag	taagaagtgc	cacaatagta	gcataatct	atgaacttgg	tacctcctta	300
gccaccgaaa	tgaaatttca	aaaaattggc	tgttcttggt	gagtagtttt	gtccttcaaa	360
agagactcaa	taacacttag	cagcagcagc	aacaacaaca	aaattatttc	agtgggtttc	420
ctggtgatta	aatgaacta	tggtgtcaag	agacaatcat	tagaaaacag	tttttaagtt	480
gattccttgg	aatttagagg	aaaaaaaatt	tctgcagaa	agaaggggtga	tttggccac	540
aatcatgtg	tatagaaaac	ttattctgaa	tttggagtaa	ggatttctca	aagagggagc	600
tgggacctc	ctgcaatagc	ccttgacagt	aagctaaact	cagtgcacatg	ggaagtgaga	660
gagatggaca	gacctgtggc	aatatcttgc	accaacagta			700

<210> 1524

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1524

gaaaaaaaaat	ttcctgcaga	aagaaggggtg	at ttggccca	caaatcatgt	gtatagaaaa	60
cttattctga	atttggagta	aggatttctc	aaagagggag	ctgggacct	cctgcaatag	120
cccttgcagc	taagctaaac	tcagtgcacat	gggaagttag	agagatggac	agacctgtgg	180
caatatcttg	caccaacagt	aaaggccagg	gactggtaga	tgagagaggg	aatcaagga	240
tttctctcac	atgcttaatg	ttcatatcca	atcctgcccc	tctatgcgtg	actattttta	300
gagttttttt	tttctttttt	aacagtcaca	aagtaaggct	actttcattt	ttcctggaaa	360
taatataaac	atacaattta	tcacaggggt	ccacatctac	ggattcaact	aacctaggat	420
caaaaatatt	ggggaaaaaa	aataaaaagt	aatagtacaa	taaaaaata	caaatttaaa	480
ataatacaat	ataaaaacta	cgtatcattt	acatattaat	atcaaaaagca	atctagagat	540
taaagtatat	cagaggatat	ggataggcta	tatgtaaaca	ctagatatgc	cattttatat	600
aagggacttg	agcatcctag	atttcgggtat	ctgtttttatc	gggggatcct	ggaaccaatc	660
cctcccagag	ataccgagac	aactgaatat	gtatctacta			700

<210> 1525

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1525

acgtatcatt	tacatatata	tatcaaaagc	aatctagaga	ttaaagtata	tcagaggata	60
tggataggct	atatgtaaac	actagatatg	ccattttata	taagggactt	gagcatccta	120
gatttcggta	tctgttttat	cgggggatcc	tggaaccaat	ccctcccaga	gataccgaga	180
caactgaata	tgtatctact	aaaggcatta	ttataggcag	ttaaagggtga	ctaaaatgac	240
atgggtataa	atgtcctttg	ttgctaaagc	aatctaattg	accactgtag	ctgggtgtgac	300
ttaccaaggt	tctactatgg	ggtactatgc	ttgttgttcc	ttattaggaa	caaggggaatg	360
tgctactgct	tacttttcac	taatacccca	gaacatttga	atttgttttc	acaattgcat	420
gaaaggactc	tttaaagtgc	tatcacattt	ttagatgaga	ctgatttttg	gcacaaaata	480
ttgttgctgg	tctgtctacc	tgcatgttta	ccagacagct	aggcatttct	ttgttttagg	540
tcagcttcca	ttattcttct	agttttgaaa	gacagtatat	accacatcaa	gagtgtaatg	600
ctttgaagtc	agatacatct	aggctcaaat	cacagtgtta	ttacttttaa	actggataac	660
tttgggcaaa	ttagttaaaa	ttctctgaac	ctcagtttgc			700

<210> 1526

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1526

ctgcattgtt	accagacagc	taggcatttc	tttgttttag	gtcagcttcc	attattcttc	60
tagttttgaa	agacagtata	taccacatca	agagtgtaat	gctttgaagt	cagatacatc	120
taggctcaaa	tcacagtgtt	attactttta	aactggataa	ctttgggcaa	attagttaaa	180
attctctgaa	cctcagtttg	cttataacat	ggtcaataat	gatactatct	atcataaaga	240
actattgtgt	ggccgggcgt	ggtggctcat	acctgtaatc	ccagcacttt	gggaggccaa	300

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ggcagatgga ttacttgagg tcaggagttc gagatcatcc tggccaacat agtgaaaccc 360
cacctctact aaaaatacaa aaattagcca ggcctggtgg cactcgctg tagccccagg 420
caggttgagg caggagaatc acttgaaccc gggaggcgaa tgttgcaagt agccgagatt 480
gtgccactgc actccagcct ggggtgagaga gcaagactcc atctaattta aaaaaaaaaa 540
aaaaaaaaaa aagactattg tgaagattaa aggaatgagt gtatgtaatc agtatagtgc 600
ctgactcaat aattgctaataaaaatgcctt ttgggtcaaaa tttgtccttt gtactgtaag 660
cagtgagaat tccaattata gtctacaaaa tgtatcagag 700

```

<210> 1527

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1527

```

tgggtgagag agcaagactc catctaattt aaaaaaaaaa aaaaaaaaaa aaagactatt 60
gtgaagatta aaggaatgag tgtatgtaat cagtatagtg cctgactcaa taattgctaa 120
taaaatgcct tttgggtcaa atttgtcctt tgtactgtaa gcagtgagaa ttccaattat 180
agtctacaaa atgtatcaga gaaaggaagg gaaaaaaaaat cagatgcagt tatagtatac 240
cacaaatggt tttccattct actagaaatt tgatagtgtg ggggtccagt ctacctgtta 300
ctactttttg tgaccttgga caagtcagggt cacctacagt tctcttcata tattccttca 360
gctgaaaact gagaaaggca gttaagtttc caaattattt tattctgtgg actaaattta 420
gcagggtcta aatcagtagc taaataagtg actgttaggc tcctcagctc ttaaatatta 480
acccaatca tccaactcag atgacagtta atgcatgcag ctggtcacct atggaaacat 540
aaaaattagc tgcattctag atacctgtga gagagtggca tgctgaacag attacagtcc 600
aatgtccacc aaaagtctag ctgggaataa caccacttct acaagactgc ctgaaagcta 660
tgcagtccat ccagtgtcgg ctcagttatt gacagctaaa 700

```

<210> 1528

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1528

```

gatgacagtt aatgcatgca gctggtcacc tatggaaaca taaaaattag ctgcattcta 60
gatacctgtg agagagtggc atgctgaaca gattacagtc caatgtccac caaaagtcta 120
gctgggaata acaccacttc tacaagactg cctgaaaagct atgcagtcca tccagtgtcg 180
gctcagttat tgacagctaa agggataat tagaacctct aaggaatttc aacaaaacac 240
acatatctct gcccaaaccc ccaagattct gatttactgg tgtggattgg agacatagac 300
atatatatat atatattttt tgagacaggg tcttgctctg ttgcccaggc tggagtgcag 360
tggcgtagta agggctcact gcagccttga actccccagc tcaagcaatc ctcccacctc 420
agcctcctga gtagctggga ctacaggtat gcaccatcac acctggctaa tttttttgta 480
gagatggggg ttgcgcatat tgcccaggat agtctggaac tcccaggctc aagcaatctg 540
cccgcctcgg cctcccaaag tgctaggatt acaggcatga gccactgtgc ccggccaaca 600
catgtatttt taataaccta agtcattttt taaaaactga gatgtaatta atattccaca 660
aaattcactg tttaaacgtg tacaatttag cagttttact 700

```

<210> 1529

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1529

```

ttgcccagga tagtctggaa ctcccaggct caagcaatct gccgcctcg gcctcccaaa 60
gtgctaggat tacaggcatg agccactgtg cccggccaac acatgtattt ttaataacct 120
aagtcatttt ttaaaaaactg agatgtaatt aatattccac aaaattcact gtttaaacgt 180
gtacaattta gcagttttac tttatttaca aggttataca accatcacca ctatccaatt 240
ccagagcatt tgatcatccc aaaaggaaat ctcatattca atagcagtca ctctattcct 300
tcctcacctc tagccccctg gaaacattaa tctgctgtca ctggatttac ctaatctgta 360
catttattat aagtggaaatc gtacattatg tgaccttttg tgactggctt cttttgctta 420

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gcatgtttta aggggttcatt catgtggtag catgtatcct ttttatggct gaataatatt 480
ccattgtatg ggtataccac attttgttta tctgatcatc agttgatggc catttggggtg 540
tgtccatatt ttgactatta caaataatgc tgctatgagc attcttgtac aagttgttgt 600
gggaacatat gttttcaatt ttcttagttc tataacctaga agtggaaaaa ctcagacgat 660
ttacaggtgc ccctagctaa gaacctttgc tttctaaaca 700

```

<210> 1530

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1530

```

cattttgttt atctgatcat cagttgatgg ccatttggtt gtgtccatat tttgactatt 60
acaaataatg ctgctatgag cattcttgta caagttgttg tgggaacata tgttttcaat 120
tttcttagtt ctatacctag aagtggaaaa actcagacga tttacaggtg cccctagcta 180
agaacctttg ctttctaaac attaacattt acttcaggct tcaatcatac caccctctac 240
agaacctcgt atcaaggaat aatgatgctg agatacactg tatttttttt aaagccctgc 300
gaagtctgtt gaagactata catgtcttcc tttctatgaa tagagacatt atcctgtagt 360
cagtatagga aactggtttt ctttttagcat tgacacaatg tgaatcttga ctaattgtga 420
cttttttttt tttttttttt tttttaagac ggagtctggc tctgtcaccc aggctggagt 480
gcagtgggtgc gatctcggct cactgcaagc tctgcctccc aggttcacgc cattctcctg 540
cctcagcttc ctgagtagct gggactacag gcgccacca ccaggcctgg ctaatttttt 600
gtatttttta gtagagacgg ggtttcggcg tgtagccag gatggtctcg atctcctgac 660
ctcgtgatct gcccgcttg gcctcccaa gtgctgggat 700

```

<210> 1531

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1531

```

tcaactgcaag ctctgcctcc caggttcacg ccattctcct gcctcagctt cctgagtagc 60
tgggactaca ggcgcccacc accaggcctg gctaattttt tgtatttttt agtagagacg 120
gggtttcggc gtgttagcca ggatggtctc gatctcctga cctcgtgatc tgcccgcctt 180
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tgatccgtct gccttgacct cccaaagtgc tgggattaca ggcagtagtc actgcgctg 540
gcctcctctc tttatttgac tactagaatc ttcagcaagc atatcagact tcatgcatac 600
tttttataca cttctctcct ggtttcatta ctttcttgcc cttattttta cactgccttg 660
ttttccatt aatttgaat acatttatct ttgctctatt 700

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<210> 1532

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1532

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tcccaaagtg ctgggattac aggcattgagt cactgcgcct ggctcctctt ctttatttga 60
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tggtttcatt actttcttgc ccttatttct acactgcctt gttttcccat taatttgaaa 180
tacattttatc tttgctctat tgtatataac taagtaaata atttctggaa caaggaaggt 240
tacaaagtaa actaatacca tcagatccac taagtttaga ccatcacttt aaaaggggtc 300
atagatcatt aatcttaaca atttcgtata tatatacaga gagctgctgc gaatttacag 360
attgtgattt ttatataggc aactacataa aagctagtga taattatttt gttatatatg 420
catcataaat ttatacagtt attcaatatg tattaggcca ggcagagatt tgatctccct 480
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ctaattgtaac taatctttcca aatgatttta agcaaccact tataaccaag tggttaaggc 600
attcaaataag taaatttttgt ttaaaacagt aagaacagag aaatggtata gtttttaaaag 660
gcattaacta ccatgcttgc ataaagcatg tgatgatggc 700

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<210> 1533
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1533
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tttaaaacag taagaacaga gaaatgggat agttttttaa ggcattaact accatgcttg 180
cataaagcat gtgatgatgg cttcttaata tgattttgat tatactatag aaattaattt 240
ctttaataga gaaaataaat gatataggaa tcaactggaa aatgacttaa tatataaata 300
ttttccttac agattacttt caagattatt aaaccttaat ccgtcttttg tgaatttatg 360
ctacataaag atatgttaga ataagaaaag atacagatac atgttaaaga tgttcattgt 420
cacacagttt gtgataagga aatgaaatca atctgagtaa gtgctggtat atacacaaaa 480
tggactattt tataatcatt aaaaagaatg tgatacatct gtgagttgat aggtaaaatc 540
aaattatggt aagtgaaaaa aggtacagaa taacatgata cgaccccatc cataaaagta 600
aatttaaata tatatatata tatatacaca cacacctaaa tttatctacc tatctgctgg 660
tatatgaata aaaaacttct ttaagaacaa ataagtgtaa 700

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<210> 1534
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1534
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atatatacac acacacctaa atttatctac ctatctgctg gtatatgaat aaaaaacttc 180
tttaagaaca aataagtgtg acagttaatg acatgtagaa gtaagattga gaattaggag 240
aaggggagga acacttttat gccttttatgt tcgaactttt accatgagtc ttttactgaa 300
aataaaaaata aaaaataaat gaagtaagaa tgttattgga attatttttc tttacttttt 360
gcatttcttt tttagagacag agtctcgctg tgcgcccag gctagagtgc agtggtacaa 420
tcacagctca ctgcaacctc tgcctcccag gttcagggtg ttctcatgcc tcagcttccc 480
gagtagctgg gactacaggt gcgcgcgcgc acggccagct aatttttgta ttttcagtac 540
agacagggtt tcaactgtgt ggccaggctg gtcttgatct cctggcctca agtgatccac 600
ccgcctcggc cttccaaagt gcagggatta cagggtgtgag ccaccacgct tggcctcttt 660
cctttttgca tttctattca atggatcttc tattgaaaat 700

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<210> 1535
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1535
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tggccaggct ggtcttgatc tcctggcctc aagtgatcca cccgcctcgg ctttccaaag 120
tgcagggatt acagggtgtg gccaccacgc ttggcctctt tcctttttgc atttctattc 180
aatggatctt ctattgaaaa taaaactata gaaaagaatg tcatagggtg aagtgatata 240
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catttatctt ttctttgtgt ttctcgcat cacttagttg agctattact ttattaagtt 360
cagtttcttt ttgctacaaa aaagaaaatt ctttaagcac atgaataaaa atacaatcaa 420
ataaataatt ttaagtttta aattaccttc ttatagtcgt ctttcccatc ttgaatataa 480
ttctcaatgt ctttcatata gccatgaata tttttaacct tctctttaat atcattcagc 540
tgtagaaaaa tattcattaa atttacactg gttgtactta agggcacata acaggagagc 600
acagtaaaac actggctggg aagttatgaa cattgggttc cagtttccac cactactgaa 660

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ttttatgatc gcagacaagt cccctttctca cctataggaa

700

<210> 1536

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1536

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aatttacact gggtgtactt aagggcacat aacaggagag cacagtaaaa cactggctgg 120
gaagttatga acattgggtt ccagtttcca ccactactga attttatgat cgcagacaag 180
tccctttctc acctatagga attgattaat tagtctcatt tcttaacttc tattgtagat 240
caagcagcaa aataatttac atcaaatoct tgttctaaca agaatttcta atgtcaaaat 300
tataccatga atctgaaaat actattttatc ttatgctatt taatttcatt tgaaataagt 360
gtccgacgtg gtgctatgaa cataagttta atacagatat ttgataagta aatatataaa 420
tgaaatctta ctttatcctg tgctattttg ttgcttgat ttttttggt gattaattct 480
tctttttctt gctggaactt ttccaatggt gtttccaaag ggcttacctg ctcttttagca 540
tcctaaaaat ataaaaaaga taaagtatta tataatatcc cattatctta ctttaggggt 600
cagacttcac agtcttaata aaagcacttt ctatgtgcca ggctctaaaa gtcaactcat 660
ttgctccttt caatgacctt atgaggacag taccatcatt 700
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<210> 1537

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1537

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tttccaatgt tgtttccaaa gggttacct gctcttttagc atcctaaaaa tataaaaaag 60
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aaaagcactt tctatgtgcc aggtctctaaa agtcaactca tttgtctcct tcaatgacct 180
tatgaggaca gtaccatcat tttcagtctt atattttcaa cgagcaaaca gacacagaga 240
atgatttgct cagggtcaca acagccagta aatgaagcag ccaagatttt aaccagctcc 300
agctccagag ttcacgctct taaccactac gcatgctata ctgcatcaac cactaatttg 360
attcttaatc taggccaatgt gctcccaatt atattagcgt gtggcttcaa gcatgagttt 420
tcatgatatt ataggtgccc gtcactgctg catgatcaaa gaataggaaa gctcattcag 480
tccagacttt tctttttcag atgaaaacat gatggtaaaa acacttctgt ccttaagctt 540
agcctgctaa ggctacgcag atatttcatg gtaataaaag catactgtta aactaatgtt 600
gggtgtctcca caactatttt ggaaggaacg gggctttcaa gtaataaaact attttactaa 660
atagaagtcc ccattattta gccttgtaac actaaatcta 700
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<210> 1538

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1538

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gatgaaaaca tgatggtaaa aacactttctg tccttaagct tagcctgcta aggctacgca 60
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tggaagggaac ggggctttca agtaataaac tattttacta aatagaagtc ccattatatt 180
agccttgtaa cactaaatct acaacgtagt tatatgataa ccacagttca aaacagagggt 240
cctcaagcac tttaagattc tgaagtactg agtgaatcta tagaggtaga tacaattatt 300
tagtaattac ttcaatatag gtctatttta tcatactggg aagtggtagt gtgtgttagg 360
aagtcaaatg ccctcagtgt caaaagatct atcagaaaat caactctgct tcctattagc 420
tgcataaact taggcactca tgagacattt gtaaatctca atttttctat aaagagattt 480
catcatctaa atagggttgc tgaggcactg aatgggttcaa tgtcaaagtg ctttataaat 540
agtaaaaaat tatacagatg caagtactat tttatattat attctgaacc tctgatattt 600
tgtaatctaa aatttaataa aaatttatag taattattca gtaatatata tagtgcttat 660
tgaatgagta cgcataatta tataaaccta ggtaagattg 700
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<210> 1539
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1539
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 aaaattttata gtaattattc agtaatatatac ttagtgctta ttgaatgagt acgcataatt 180
 atataaacct aggtaagatt gtttataact gtttataact gggtgagtcct tagatgtgat 240
 taatctatat aagggatgtc aaatgcattc cagtggcaac tgagtgcctg ctactgtat 300
 tggtaagggt tctgaaacca catccggaat caaatggaaa gagtgcctatg actgagagtg 360
 accgccatag ataaaggatc tgcagataag acaaacctcc tgtacaagca ggaatcctta 420
 tacagaatta accaaccacc acctgaccac ctccaataac atttactact taaccaggca 480
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 gttctatcac ttaggaacca cacaaataat tattatacca ttttcatttg atcctcataa 600
 tagctgggtt tcaaagggaa tgcttccagt ttttgcccat tcagtatgat attggctgtg 660
 ggtctgtcat aaatagctcg tattattttg aaatacatc 700

<210> 1540
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1540
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 atgcttccag tttttgccc ttcagatga tattggctgt gggctgtca taaatagctc 180
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 ctttggttct gtccatgtga tggattacat ttattgattt gcatatgttg aaccagcctt 360
 gcatcccagg aataaagccg acttgatcgt ggtggataag ctttttgacg tgctgctgga 420
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 tataaaatga gttagggagg attcctctt tttctattgt taggaatagt ttcagaagga 600
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 gacttctttt ggttggcagg ctattaatta ctgcctcaat 700

<210> 1541
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1541
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 gtacctctgg tagaattcgg ctgtgaatct gtctggctct ggacttctt tggttggcag 180
 gctattaatt actgcctcaa tttcagaact tgttgttggt ccatttgagg atttgacttc 240
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 ttctgtatta gtcttgctag tggctctatt tgttgatcct tttaaaaaac cagttccttg 480
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 attttgatgt taagggtgtg aattcagtta tttcctgctt tctcttgtgg gcatttagtg 660
 ctataaattt cctctacac agtgctttta atgtgtctca 700

<210> 1542
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1542
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 ggcttttgaa tttgtttgct cttgtttctc tagttctttt aattttgatg ttaaggtggt 120
 gaattcagtt atttcctgct ttctcttggt ggcatttagt gctataaatt tccctctaca 180
 cagtgcctta aatgtgtctc agagattctg gtacattgta tctttgttct cactgggttc 240
 aaagaacatc tttattttctg ccttcatttc gttatttaac cggtagtcat tcgggagcag 300
 gttgttcagt ttctttgtag ttgtgcggtt ttgagttagt ttcttaatcc tgagttctaa 360
 tttgattgca ctgtggtctg agagactggt tggtatgatt tctgttcttt tgcatttgct 420
 gagagtgttt tacttccaat tatgtggtca attttagaat aagtgcgatg aggtgctgag 480
 agttctggcc attacactaa taaagagcat ttcatattaa agaaacatgg gctgggtgag 540
 gtgatgtaag cctgtaattt tgggaggcca aggtctgatt gcttgaggcc atgagtttga 600
 gaccagcctg aacaacatag tgagaccctg tctctagaaa aattttaaaa attagccagg 660
 cgtgggtggtg tgtgcctgta gtcccatcta cttgagaggc 700

<210> 1543
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1543
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 ttgggaggcc aaggctgcat tgcttgaggc catgagtttg agaccagcct gaacaacata 120
 gtgagaccct gtctctagaa aaattttaaa aattagccag gcgtgggtgg gtgtgcctgt 180
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 gcagtgaagt agctgtgact gtaccactgc attccagctt ggaagactga tgaagactct 300
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 tgggaggcca aggtaggcgg atcaccttag ttcaggagtt tgaaaccagc ttgtccaatg 420
 gcgaaaaccc gtctctacta aaagaacaaa aattagccag gcatgggtgg gcacgcctgt 480
 aatcccagct actccagagg ctgaggcaag agaatcactt gaaccagga gatggagggt 540
 gcagtgaagg gagatcgtgc tactgcactc cagcctgggt gacagaacga gactgtctca 600
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 ttacctttat ctctctgtac aaagactgaa cttcagtgga 700

<210> 1544
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1544
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 aataattaaa ataattttac aaaaaacatg tatggatatt cttaccttta tctctctgta 180
 caaagactga acttcagtgg ataattccac agtctgctcc tccagttgct gacgacgttg 240
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<210> 1545
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1545

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gagaaccctg ctgattctca aatcagcttg atgttccctg ctggccactc acagggaag 60
cttacagggc aggtatgaat gagaaagaat acagctcatg gccaggcgca ctggctcaca 120
cttgtaatcc cagcactttg ggagactgag gcagggtgat cacctgaggt caggagtctg 180
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catactctcc tactgttcaa aatctgttgt gcaaagtaag agaacaaaga gaagtgatgc 480
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aggacacaga ctgtattacc tgtgtctaac ttgtgctgtt tctcttggtt ctctgggttg 660
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<210> 1546

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1546

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aaggcatgtg ctgcgaatgt caaagtctct atgagtacag aaggacacag actgtattac 120
ctgtgtctaa cttgtgctgt ttctcttggt tctcttggtt gacttggttg acagttcgat 180
ctaagtctat tccttgtagc ttagctgctt gttgtgcaat tttcttttca acatctttta 240
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ctagatacaa ttttagcaaa gtttaatagg ataaaagtga aattaattat cagcaattca 420
aatgatgtaa acaaaaggaa gctgactaaa gatgaaaaac aaacagaact gtcttaattt 480
ttaaatattat gaattaaaaa gtttaaaccg agggatgtaa actaagcagt ttctccctga 540
gggtatctga aattcaggat ggggaattct aaacacaacc tgtacctgaa tactagctac 600
tatttttaac tctcacactt caaattcaag ccaccatgga acaagtttta ttctgcctta 660
aactacaata aacttacctg gaacctctcc ataattgtaa 700

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<210> 1547

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1547

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agtttaaac cagggatgta aactaagcag tttctccctg agggatctct aaattcagga 60
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tcaaattcaa gccaccatgg aacaagtttt attctgcctt aaactacaat aaacttacct 180
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ccttattcac ttggcttaga tgggtgttggc caggtttctc cactgtaaag ttactgtttt 600
agtcttttga attaacaagt atcttaggag agaaatgttg agactatgta aatatcttgc 660
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<210> 1548

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1548

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gaatcatgat atcaatatgt cttattactg atgatgttaa tccttattca cttggcttag 60

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atggtgttgg ccagggttct ccactgtaaa gttactgttt tagtctttgt aattaacaag 120
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tgatttttagt atccactgac agatcttgct tgcaataatt attactgtgg tgtttgtcaa 240
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gaataatttg tattatTTTT ataatttttc tgtaatccta acattatttc aaaataaaaa 600
ttttttaaat tacaggaaaa aaaggaagga agccagccac taagtgaat gctacatggg 660
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<210> 1549

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1549

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aaaaggaagg aagccagcca ctaagtgaat tgctacatgg gtttaaggta caaatgtca 180
acccattTTT ctggtactca ctactgtagc taatgaatta ccacctccat ggcagggtact 240
gacaactatt tttgctgatg cctctgaaac aataatatgt atttaatctt taaaaaaaaa 300
tttacttcag aaatattcca aattcttatt taaaattata ttgaattagt atgacaaagc 360
agtagaataa attaaactgg tctctaatag gagtcttatt ataaacttaa agaataacca 420
gaaactcaag tggctattac ttaatgattt tttaaaaatg caaactatga ccaagaaatg 480
ccaacctgac ctgtggcaac agacctatag ttttttaaaa ttttttaatt atttatttat 540
ttttatgctt taagtctctg gatacacgtg cagaacgtgt ggggtttgta cataggtata 600
cacgtgccat ggtgggtttgc tgcacccatg aaccatcat ctacattagg tattttctct 660
aatgctatcc ctcccctagc cccccaccag cagacaggcc 700

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<210> 1550

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1550

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cagacctata gtttttttaa atTTTTtaT tatttatTTT tttttatgct ttaagttctg 60
ggatacacgt gcagaacgtg tgggtttggt acatagggtat acacgtgcca tgggtggttg 120
ctgcacccat gaacccatca tctacattag gtattttctcc taatgctatc cctcccctag 180
ccccccacca gcagacaggc cccagtgtgt gtgatgttcc cctccctgtg tccatgtgct 240
ctcattgttc aactcccatt tatgagttag aacatgcaat gtttggtttt ctgctcctgt 300
gttagtttgc tgagaatgat ggtttccagc ttcacccatg tccctgcaag ggacatgaac 360
tcatcctttt atatggctgc atagttactc catgggtgat atgtgccaca tttcttttat 420
ctagtctatc attgatgggc atttggggtg gttccaagtc tttgctatcg tgaacagtgc 480
cgcaataaac atatgtgtgc atgtcagacc tacagttttt ttttatacca cagaaatagg 540
aggatatttg attccacata ataaatatga aggtatgcag gttatgagta attccatgcc 600
aatgtttcct cttgaacact gttgtcacag attagtagtt ggccttaaat tatgtgcca 660
atatctaaaa agtgacacag ctatgacagc ctaataatga 700

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<210> 1551

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1551

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catgtcagac ctacagtttt tttttatacc acagaaatag gaggtatttg tattccacat 60
aataaatatg aagggtatgca gggtatgagt aattccatgc caatgtttcc tcttgaacac 120
tggtgtcaca gattagtagt tggccttaaa ttatgtgccc aatatctaaa aagtgcacac 180

```

```

gctatgacag cctaataatg atggccaagc atttattaaa ctggggacat ctctgtgaag 240
aactgtaggt atacatacaa ttttaaccct attttttacat tttcctacac acacacaaaa 300
tctttcatca atatgggtcta ggttttggtg ccttcttttt tgatgattac ataagatggt 360
aaaagaagtt ttctggccgg gtgtgacggc tcacgcctgt aatatgagca ctttgggagg 420
ctgaggctgg tgaatcacct gaggtcagga gttcaagacc agcctggcca acatggtgaa 480
accccatctc tactaaaaat acaaaaaatc agttgggcgt ggtgaagggc gcctgtaatc 540
ccagctactt gggaagctga ggcaagagaa ctgcttaaac ccgggagggtg gaggttgcag 600
tgagctgaga ttgtgccact gcactctctg ggtttggttt tctttttttt aaatttatga 660
cattttattt tttattttca agagttaatt tttctcacga 700

```

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<210> 1552
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1552
tacaaaaaat cagttgggcg tgggtgaaggc cgctgtaat ccagctact tgggaagctg 60
aggcaagaga actgcttaaa cccgggagggt ggagggtgca gtgagctgag attgtgccac 120
tgactctctt ggggttggtt ttcttttttt taaatttatg acattttatt ttttattttc 180
aagagttaat ttttctcacg attcacaagg ttttttaaaa ttattttcaa tagataaatc 240
ataattgcaa acatttatgg ggtacaatgt gatgttctga tatatgtaca caatgcacaa 300
tgattaaata aaggtaattt aacatatcca ttacctgcc tgctatcat tttttataga 360
cagacatttg aaatttactc tttggatttc tgttttttca gaaactcaat tcacctatct 420
ttagacaaca ttctttttct aaggggattg tgtgtaaaaa ggctcacaca gatatggtag 480
tgaaaaaaac ctgtggggaga aataccaatt gagtttgcac ttaaatgagg tgctataata 540
aatgaatctg agtcagtagt agacaaaatg ataaacagggt acattttcag ctgagatctc 600
agtcagtagt ttaggtttat attagatact ggcgaatttg aggttttaa tgaaaaatatt 660
tcccgcgaag aagataagca agatatggct cccactacc 700

```

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<210> 1553
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 1553
aaataccaat tgagtttgca tttaaatgag gtgctataat aaatgaatct gagtcagtag 60
tagacaaaat gataaacagg tacattttca gctgagatct cagtcagtag gttagggttta 120
tattagatac tggcgaattt gaggttttaa atgaaaatat tccccgcaa gaagataagc 180
aagatatggc tccccactac ctctctgagc tcatcttcca caacttttcc ctttggcctt 240
cagggtcaat atgtctcaga gattttgcac tgcctagaat attcttctta tggacaactg 300
catggctgac tccctcactt ctctcaagtt tccactccac tgccaccttc atcaagtccc 360
ctcctaccac ccttcagcta gtccctattc ccttatcttg ctgtagtttt ctcaatgccc 420
ctgatcatcc cctggcatat tatatattta cttatttgtc atccatctcc tccccactgg 480
gatataaact ccatgagggc agggactttg tccattttgt ttactgctgt attacctgca 540
ctccagtaga ctgcctatat tggttgcatg aatagacagt tctcatgata gtgggtggcat 600
caagggcata ttctaaagggt gaaaaagcaa atgggtgcaca gataaattta atcttggtac 660
tttaccctc ttcaccaata accttccacc taagtgacta 700

```

```

<210> 1554
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1554
cagggacttt gtccattttg tttactgctg tattacctgc actccagtag actgcctata 60
ttggttgcat gaatagacag ttctcatgat agtggtaggca tcaagggcat attctaaagg 120
tgaaaaagca aatggtagac agataaattt aatcttggtta ctttaccctt cttcaccaat 180
aaccttccac ctaagtgact atcataaata gacctccaca atgtctctga aagtgacccc 240
acgggatatt tgaaagtagt atcctaacca gaggtggaag gaagcttaat gatcatgtaa 300

```

```

atcaatcccc tcactttacg tgggggatac gaaggcccaa atgggttaag taacatccct 360
aagggtcacc agcagagttg gaatttgaag tcaacctgac tgcactctta ggcaattgct 420
ttcccatatt taaaaaaaaa aaaagtcttc ttggttgggc atggtggctt atgcctgtaa 480
tcctagcact ttggggaggct gaggtaggag gattgcttga gcttaggagt tcgaggcttc 540
gatgagctat aatcaatcac accactacac tccagcctgg gtgacaggag caagacccta 600
tctatcaatc aatcaagtcc tcttaattca ttattgacct ttcatttgtg gatttattta 660
aacttaaaaa aagtgtttta taatgttatt tcctactatt              700

```

<210> 1555

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1555

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tgaggtagga ggattgcttg agcttaggag ttcgaggctt cgatgagcta taatcaatca 60
caccactaca ctccagcctg ggtgacagga gcaagacct atctatcaat caatcaagtc 120
ctcttaattc attattgacc ttctatttgt ggatttattt aaacttaaaa aaagtgtttt 180
ataatgttat ttctactat tgggaagaag acttctcttc tcatttgtcc caaactcatc 240
cttctccagt ttccagaat ggcccactga cattctgtta gagcttgcta aacaaacagg 300
ggttcatcat ttccctgctc ttcgggtctt caagttttgg tttctttata aaaatggttt 360
cctcacacat gtgtcctcac ttagcagccc tgccagcatc ttggtccatt ttcagtgtct 420
cctgtaggcc ttttctagct tcaggttctc ttaaaatgtg tggtaaccag ccatttacct 480
ggctaacctc gctgagccca gtcaccccat gaaacctga aaaactaatc actgcgagac 540
agttttgagg gggtttgcta caagcaatca ataacgggaa tagacactac agttctcatt 600
cattcagcaa atagttatca aagttacaat atagaatata caaatgtgtg gttgcctagt 660
ctctaggtaa ccagaatggc acacagatgc tactgcagat              700

```

<210> 1556

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1556

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agtcacccca tgaaaccatg aaaaactaat cactgcgaga cagttttgag ggggtttgtt 60
acaagcaatc aataacggga atagacacta cagttctcat tcattcagca aatagttatc 120
aaagttacaa tatagaatat acaaattgtg ggttgcctag tctctagga accagaatgg 180
cacacagatg ctactgcaga tatagggtta ggcagattca agtcagccac aagtacttcg 240
acactcttcc catcaagaga tacagtatcc tccctcactg aatcttgga gtttctgtga 300
ccactctaac caacagaaaa agaagtgtca ccatgccagt ttcttggctt aggccttaaa 360
ggacttgtag cttctacttc ctgttcatgg aatacttacc cttaggatac tctgtttagt 420
aaccagtcac ctgtgctgcc aaaagcccaa gacgcagca gaggccatgt gaagatgtcc 480
tattttgaca gcccagctg agtcccaga caatagttag catcactgtc agtcatgtga 540
gccatcaaga acatccagct cggttatgct ttgagacgac tgcagccaac atctgactgc 600
aaccgtaaga cccaagtga aagccaccta gctgagccca gtcataccac agaaccatga 660
aaaattattg tgagacagat ttgaggtttg ttacatagca              700

```

<210> 1557

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1557

```

gagctcccag acaatagtga gcatcactgt cagtcagtgt agccatcaag aacatccagc 60
tcggttatgc tttgagacga ctgcagccaa catctgactg caaccgtaag accccaagtg 120
aaagccacct agctgagccc agtcatacca cagaacctag aaaaattatt gtgagacaga 180
tttgaggttt gttacatagc aataaataat tggaacagac attacagttc tcattcattt 240
agcaaatagt tatcaaatgt gcaatataca aggaactgtg gagatacaac gagtaagaca 300
tgcaccttac tcttagaggg gaaactgtgg cccagcacgg tggctcacgc ctgtaatccc 360
agcacttttg gaggctgagg caggcgattg cctgaggtga ggagtttgaa accagtctgg 420

```

```

ccaacatggt gaaaccctct ctctactaaa aatacaaaaa aaattagccg agcctgggtga 480
cgtgcgcctg taatcccagc tacttggggag gctgaggcag ggaattgct tgaaccgggg 540
agggtggagat tgcagtgagc caagactgcg ccactgtact ccagcctggg cgacaaagca 600
aaactctgtc tcaaaaaaaaa aaaaaaggag ccgtgatagc tagggtccta aaatataata 660
cgatgttaat ttctgccatt tattgtataa cagtctaaca 700

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<210> 1558
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1558
ctacttggga ggctgaggca ggggaattgc ttgaaccggg gaggtggaga ttgcagtgag 60
ccaagactgc gccactgtac tccagcctgg gcgacaaagc aaaactctgt ctcaaaaaaa 120
aaaaaaagga gccgtgatag ctagggtcct aaaatataat acgatgttaa tttctgccat 180
ttattgtata acagtctaac acagaactaa gctcatatct ctactacgtg tactttctac 240
caatttcaaa ttttatccat ttgatctttt tcttttcaag atactacctt attcctctcc 300
ttccttttta ttctcaaact actgcctctg tctcctcatc tctgtggccc caataatctg 360
gttttcaccc ttgatgcttg tgttggttat ctattgttgc ataacaaagt atcccaaac 420
ttagcagctt aaaataacag cacttattat ttctcagaga tatgaggatc aagagatacg 480
cttctgactc aggggtctcg atgaagtgcg aatcaagctg tcagccagga ctgcagtcac 540
cttaaggctt gactgctaca aagtctgctt ccaactcac ttgctcaaag gcctcaggtc 600
cttggcatat gggcctctcc agagggctgc ttgcaacatg gcagctagct tccctcagac 660
aagagacaga gggagacaga gtgagtgaga gaggggagga 700

```

<210> 1559
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1559
catgaagtgc caatcaagct gtcagccagg actgcagtca tcttaaggct tgactgctac 60
aaagtctgct tccaaactca cttgctcaaa ggcctcaggt ccttggcata tgggcctctc 120
cagagggctg cttgcaacat ggcagctagc ttccctcaga caagagacag agggagacag 180
agtgaagtgc agagggggag agtgggggag agtgagcgag ttcacacaag ggtacaagca 240
cattgctgaga acagaagaag ccatagtacc ttaaataacc taatgttgga aaggccatgc 300
tatcacttct gctgtttta tcagttatat agaccaatca tgcaacagca tgagatggga 360
ctatacaaga gtataaatac caagaggccg agattactag ggaccatctt agaagtggc 420
tgccacaaac cacatcttct taggccttct tttctccttt tctgaaact cctccttgg 480
tttccaggac aatcacttct actctcctgg tttttctgct tcttgagctt ttctcagcct 540
gtttcagtc atataatta attagattaa ttttctctaa atacatcttt cactaactcc 600
cttaggttgg ctccctcatca cctatcagag ttacaactag acctgaatat aatgtagccc 660
tatctcccca acatacagga ctcaatccct ataaataatt 700

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<210> 1560
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1560
cactctcttg gtttttctgc ttctgagct tttctcagcc tgtttcagtc aatatattaa 60
tattagatta attttcctaa aatacatctt tcactaactc ccttaggttg gctcctcatc 120
acctatcaga gttacaacta gacctgaata taatgtagcc ctatctcccc aacatacagg 180
actcaatccc tataaataat tccccaaact ccagataaca tttctactgc agcataggtc 240
atactctctt tccctttgca ccgtgttctg acttccgtct cctctcagtt gagctgaatg 300
aacttctcca ggtcttatat tctcttctct gcctcattct caaaatatct ttctcattct 360
gtatccattg gctcctccct tcttacctaa cacatctggt tgaatcattt ttttaagcact 420
ttattaagcc tagctttcta aatgttgaat tctgagagct tgtcttctta atcagaccat 480
tagctcctgg agggctcatg cttaggtctc tggcactagc cttgttctct atgttctggg 540

```

```

agacactaag gcaatcatca catatttcct gacttgattt ttgtttgtaa acagaacata 600
acacgaattt cttgtataag tgatggaaaa tataaacaac cgaaaatcat ctatgattca 660
ttcttttagc aagtggaaaa gacattaaaa acatagttta 700

```

<210> 1561

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1561

```

tcttaggtct ctggcactag ccttggttctc tatgttctgg gagacactaa ggcaatcatc 60
acatatttcc tgacttgatt tttgtttgta aacagaacat aacacgaatt tcttgataa 120
gtgatggaaa atataaaca cggaaaatca tctatgattc attcttttag caagtggaaa 180
agacattaaa aacatagttt aaaatctgtc ttctgggaga acttttcaat acttaaattc 240
ttttgctggg ttcagaaagt ggcatgtcaa cagacagtcc taaatctgtg aaaatctatg 300
cccacaagct aagtcttggg aattaaacac acatacaaaa gaacgtaaaag actgtgtcta 360
cctcatagtt taagaaataa gcttactggc tatgcacggg gctcacacct gtgatccag 420
cactttggga ggccgaggtg ggccaatcac tttgaggcca ggagctcgag attagcctgg 480
ccaacatggt gaaactccat ctctactaaa aattacaaaa attagctggg cgtgggtgga 540
catgctgtga atcccagcta ctgaagaggc tgaggcatgg gaatcgcttc tgggaggtgg 600
aggttgcaat gagccaagat catgccactg cactccagct taggtgacag agagagactc 660
tgtctcagaa aaaaaaaaaga aaaagaaaaa aagacaggaa 700

```

<210> 1562

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1562

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tctctactaa aaattacaaa aattagctgg gcgtgggtgg acatgcctgt aatcccagct 60
actgaagagg ctgaggcatg ggaatcgctt ctgggaggtg gaggttgcaa tgagccaaga 120
tcatgccact gcactccagc ttaggtgaca gagagagact ctgtctcaga aaaaaaaaaa 180
aaaaagaaaa aaagacagga aacaagctta tctttaaaca aaataattga atcttcttat 240
catagaagtg atataagaca gggcatacca gctcagagtc cttactgagt aactaccatc 300
tgcccaggca tgagatgggt accttttaca atgtgctgct acatgtacag tgaaggtaaa 360
tcccattctt acctcatggg cacaagtccc agcatttcat cacgccgctt ttctttttt 420
tttagctctg attctgttga cttgagttaa tctggagcaa gtcgcagttt agactgcaaa 480
tcactgatga cttcttgtaa ctcagcctct gtctgaaaaa ctctctgaca aacggggcaa 540
catgactggt tttcgtctgt tagctgagta atgaactggg agtaaaactgc tgtggctcca 600
gccagcatgg ctattttaag aaaataaatt atatcaccaa tgagaaaaaa acataaaata 660
cagtattctg aatacgggtg tatctttttc tataaatata 700

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<210> 1563

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1563

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actcagcctc tgtctgaaaa actctctgac aaacggggca acatgactgg ttttcgtctg 60
ttagctgagt aatgaactgg gagtaactg ctgtggctcc agccagcatg gctattttta 120
gaaaataaat tatatcacca atgagaaaaa aacataaaat acagtattct gaatacgggt 180
gtatctttt ctataaatat atgattattc ttgctttata aatatattat aaaagaaata 240
aaaattctga tatttaaaat tccgatattc gcttccaaag agcatgatac attcagattt 300
gtataaatat tttttggtaa cacattataa gtataacaaa atgcctactg agagctttct 360
atgtgccagg cactgttcta agggctttat aattacaatc tcattcacac ctccagtacca 420
caggtggtag ttgtgtcctc attttataga caatgaaaca caggaagggt tcagtaactt 480
gcctaaagtc acacagttag taagtgttag agccaggact gaaatccaag ccattagggt 540
ccataaccag gtttttaaat tccccatcct taacagttac ctgtgaatga aaattcaaa 600
gtgtcaaagt atcctgataa tataaagtag acaacttacc tcgctgtttt gatgattttt 660

```


caattttcctc ttttaagcctg tctaaatcac tttcaaaatc

700

<210> 1564

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1564

gtaagttgta	gagccaggac	tgaaatccaa	gccattaggc	tccataacca	ggttttttaa	60
ttccccatcc	ttaacagtta	cctgtgaatg	aaaattcaaa	ggtgtcaaag	tatcctgata	120
atataaagta	gacaacttac	ctcgctgttt	tgatgatttt	tcaatttcct	ctttaagcct	180
gtctaaatca	ctttcaaaat	cctggctacc	acaaacatca	aacagcttgt	cttcgtaact	240
ggacaactgc	tcttcctttc	tttttagttc	attattttata	tgatttttat	tctgctcaga	300
tgaagctagt	tccttgctaa	aataagagca	aatatggatt	ttcattttta	aataggagaa	360
attagtttga	aaatttgagt	aggcaaaaac	aagacaaatt	ctgccaacaa	atcatgacaa	420
gagtttggtg	tgaccaaaata	atTTTTTTTca	gaagttgagg	gactagtcca	cttctgcctt	480
aactctcccc	ctaggacact	gactcacctg	ccagtcctac	tcatgggcct	gctcccagaa	540
aaatgtacac	agaattctgc	ctggtttctg	gggtttcatg	gtctttgatc	ccaggttaag	600
cctcagcaag	atgcttgcta	ggactatttg	acagaaagaa	gacaagagaa	catccccgta	660
attcccttta	gtcctttcac	aaatactact	tccttactct			700

<210> 1565

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1565

tgactcacct	gccagtcccta	ctcatggggc	tgctcccaga	aaaatgtaca	cagaattctg	60
cctggtttct	gggggttcat	ggtctttgat	cccaggttaa	gcctcagcaa	gatgcttgct	120
aggactattg	gacagaaaga	agacaagaga	acatccccgt	aattcccttt	agtcctttca	180
caaatactac	ttccttactc	tcctgtaaat	actgtttctt	ttgtatcctc	cccctccttg	240
ttgctgtcat	ccacttgogt	ccagatcagt	cattccctct	cattcatcaa	agattttgct	300
tactagtaca	atztatcccc	actttaattc	ttaaacatca	tcctagccaa	cctcaatact	360
cacacataac	atggtttttc	aatttgcagg	tttagatgca	ttagctacca	tgtaatcaat	420
ttaatgtatt	cagcatattt	tttaaaaatg	aaacagaata	gacggtaata	tattggagta	480
ggctgtatgt	atatgtacta	ctttgagaaa	tttgtttcag	ataaatgtgt	gtgactgcac	540
acatgcttct	tcatcatgac	taccatcct	gagtcacagt	aaacatttgg	aaaaaagtaa	600
ctaatatgat	gatattttca	ttatcctaga	ctcccttgag	cacttctcat	caagatcacc	660
agtgacctaa	gtgccaagta	cagtcttcat	cttactctac			700

<210> 1566

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1566

actttgagaa	atTTGTTTca	gataaatgtg	tgtgactgca	cacatgcttc	ttcatcatga	60
ctacccatcc	tgagtccacag	taaacatttg	gaaaaaagta	actaatatga	tgatattttc	120
attatcctag	actcccttga	gcactttctca	tcaagatcac	cagtgcaccta	agtgccaaagt	180
acagtcttca	tcttactcta	cctctacgta	gcaccaaaaca	ctggtgacct	tctccttgaa	240
gactattttc	ccaaggcacc	tagacaccac	agctatctgg	ctctcaccct	ggttccttgg	300
gcacatccca	gtttccttca	cttgcctcct	ttcctttgcc	tgctaacatt	ttaaatgttt	360
gtgcttccca	ggaatctaat	tgtaactcct	tccttttgca	taactctctc	aagggtgacat	420
actaatgact	ttgagtatcc	cttacatagc	aacaacttcc	aatctcctga	atTTCAAact	480
ccaatattgt	attccctcac	agatacttcc	acaagaaaca	cagattaaac	accaccaaag	540
ccaagtcttt	ctactttcct	caaaaatctg	tgtggaattt	ttgaccgcgt	tatccaacca	600
ctatccaagg	taacatctga	gaaacatgat	cactttttat	aatggattac	tcacagaaat	660
gaaaatagaa	tttttaaatt	ttaatcttca	taggtctaca			700

<210> 1567
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1567
 cagatacttc cacaagaaac acagattaaa caccacccaaa gccaaagtcc tctactttcc 60
 tcaaaaatct gtgtggaatt tttgacccgc ttatccaacc actatccaag gtaacatctg 120
 agaaacatga tcacttttta taatggatta ctacacagaaa tgaaaataga atttttaaat 180
 tttaatcttc ataggtctac aaattttcaa gggacaagag gcctaaatta ctatccgtta 240
 ccattttact taatttgcaa aatatgaggg gtcttcaaaa tgttcatgga aaatgtgtat 300
 tataaaaaaa actatgcatg aagttcaaaa tgttttgac tgaaacaaac tcatactaac 360
 ttgttataac atgtctgaat aggatctagt ttaaggcact aacaagggtta agacatcagt 420
 ttgaaaagag cccaatttaa actgaagcaa gaacaagtat caaatttatg gtgaagtgtg 480
 ggtggaagaa tggtgaaatc attgatactt tacaacaagt ttatgagatc aatgccccaa 540
 acaaatcagc agtttacaaa tggataactc agtttaagaa gggatgagac gatattaaag 600
 atgaagccca cagtgcagaa ctgttcacat caattttgtga ggaaaaaaa tcatcttctt 660
 catgccctaa ctgaagaaga tcaatgatta acagcagaaa 700

<210> 1568
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1568
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 atggataact cagtttaaga agggatgaga cgatattaaa gatgaagccc acagtgcag 120
 actgttcaca tcaatttctg aggaaaaaaa atcatcttct tcatgcccta actgaagaag 180
 atcaatgatt aacagcagaa acaatagcca acaccataga cacctcaatt gattcagggt 240
 acacaattct gactgaaaaa ttaaagttga gtaaactgtt tacttgatgg atgccccaaa 300
 tcaactgctt cagatcagct gcagacaaca gcagaacttc ctcaataagt gggatcaagt 360
 tcctaaagca tttcttcaaa gaattgtaac aggaggtgat ggaatgtggc tttaccagta 420
 caatcctgaa gacaaagcac aatgaaagca atggctaaca agtgggtggaa gtgggtccagt 480
 caaagcaaaa gcagaccaga taagagcaaa ggtcatggca acagttgttg gggatgctca 540
 aggcattttg cttgctgact ttctggaggg ccgaagaaag gtaacaactg cttattatga 600
 gagtgttctg agaaagctag ccaaagcatt agcagaaaaa tgcccaggaa agcttcacca 660
 gagagtcctt ttccaccaca acaatgttcc tgctcattcc 700

<210> 1569
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1569
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 tttctggagg gccgaagaaa ggtaacaact gcttattatg agagtgttct gagaaagcta 120
 gccaaagcat tagcagaaaa atgcccagga aagcttcacc agagagtcct tttccaccac 180
 aacaatgttc ctgctcattc ctctcatcaa acaagggccca tttgcaagag tttcgtatgg 240
 aaatcattag gcatccacct tacagtcctg atttggctcc tcctgtcttc tagtttctta 300
 atcttaaaaa aatcttttaa gggcacccat ttttatgcta gcaatgtaaa aaagactaca 360
 ctgacatggt taaattccca ggaccctcag ttcttttagga ctgaactaaa ttgctggtat 420
 cactgctcag aagagtcttg aacttgatgg agcttatgtt gagaaataca gtttatttaa 480
 aatttttctc ttttaattcc atttttccat gaacttcttg aagtctcctt gtatgtaaga 540
 actaaagttt atcaatataa cataccattt catgacaata aattatttta aaacaattaa 600
 acaggtaagc atgaaataag agatttctat tacatctcca aatgttgcaa cttacttcaa 660
 tttggcaagt ctgtccctgg tctgattaat ttcttttgat 700

<210> 1570
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1570
 cattttttcca tgaactttct gaagtctcct tgtatgtaag aactaaagtt tatcaatata 60
 acataccatt tcatgacaat aaattatttt aaaacaatta aacaggtaag catgaaataa 120
 gagattttcta ttacatctcc aaatgttgca acttacttca atttggcaag tctgtccctg 180
 gtctgatttaa tttcttttga tttactatgt agccagtctt caagctgttt tttgttgagg 240
 aaatatccca acagtggagg taattcatca ctgtgcctag attttatttt tctgatttgt 300
 tcatctttgt cagcctatag gtaaaaaaaa aatctttttaa aaataaagtc tataatctcca 360
 cattatatca agaacaaaaa taaattctag actgactaaa gttctaagct taaaactata 420
 aaaatatgaa aataaaatat aaaatttctt aaagtcttcaa gtggggatgg 480
 tctttctaaag ccttaagagt ggagtaccaa gtcgaacaat ataaaaattt aaaatttgtg 540
 tatgttaaaa gttaacagta atgtgcatgt gtgtatatac atatatatac atttctgtat 600
 taactttttg taattaaaca ataactttta agcttgaaag tctattatat agagtactaa 660
 gctcacttag cctctaaaaa atagtcaata ccaacttaat 700

<210> 1571
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1571
 tggagtacca agtcgaacaa tataaaattt taaaatttgt gtatgttaaa agttaacagt 60
 aatgtgcatg tgtgtatata catatatata catttctgta ttaacttttt gtaattaaac 120
 aataactttt aagcttgaaa gtctattata tagagtacta agctcactta gcctctaaaa 180
 tatagtcaat accaacttaa taccttatag tctatgactt atgagtgcaa ggtaggctat 240
 ttttaagtacc agacagtata attagaacaa aaagaaaaat catactttgt ctttggctag 300
 catctccatt tgggtacgtg ttgttgtag atgggtttaac tgctccatct cctgggtcaag 360
 tttacgcagg gtccgtgtcta agtctgcttt ttcatttttg agacttatta cttccatttt 420
 taaggttttc acattgctgt ttttctcagc cttgcttaac tcacgttcct agtcaataat 480
 tcatacaaat gcaaagggtg tatatatatt gtgcaagaat taaaataatg acaaagtgtg 540
 ttagaaatta actactcctc agaatgttcc aaatattact gtttgcaccc aacaagagaa 600
 aaaaacataa ggcactatat atgtcttaag gtatatctta ttaagtgtac cttactatgt 660
 tataatggta gagaattagt aaataaacct agaagggtca 700

<210> 1572
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1572
 ttatatattt tgtgcaagaa ttaaaataat gacaaagtgt attagaaatt aactactcct 60
 cagaatgttc caaatattac tgtttgcac caacaagaga aaaaaacata aggcactata 120
 tatgctctaa ggtatatctt attaaagtga cttactatg ttataatggt agagaattag 180
 taaataaacc tagaagggtc aaacaggaaa gaaatgtgag aattactgta aaattaggag 240
 acatgtgtct aagtacacag attagttagt cctcagtcaa caattaaata tttattatgt 300
 ccccatgtaa ttcactatat tgcttggtat gtgaaacta taaaaatagt gtgatgtggt 360
 ccctgaccaa gtatctcccc accccaacaa gacaacactg atgaagtgt aaactgacaa 420
 aaatgtatgc tacaatgggt agttatggag caaaaaataa tgtttacata aattatcaag 480
 atgggcttta agaagtttgc catgctttag aatgcttact ttggtaatgg agatgtgaag 540
 aaggaggaca gactagaagc aagaaagaaa atatggaaat acctgaaaag attggctaag 600
 aaagttttta acacagaaaa agtaataata cagcaaaaat catctagaat tacaacgtgt 660
 gtgacctaga ggaaaaatac ttgctttttt aaaacttttg 700

<210> 1573
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1573

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ccatgcttta gaatgcttac tttggtaatg gagatgtgaa gaaggaggac agactagaag 60
caagaaagaa aatatggaaa tacctgaaaa gattggctaa gaaagttttt aacacagaaa 120
aagtaataat acagcaaaaa tcatctagaa ttacaacgtg tgtgacctag aggaaaaata 180
cttgcttttt taaaactttg gcaagtgttc tttttctttt ttttgagatg gagtccact 240
ctgtcaccca ggctggagag cagtggcgca atcttggctc actgcaacct ctgcctccca 300
ggttcaagcg attctcctgc cctggcctcc caagtagctg ggattacagg cacacgccac 360
cacgccagc taatttttgt attttttagta gagacgggtt ttcacatgt tggctggaca 420
ggctctgaac tcctgacctc acgttatctg cctgccttgg cttcccaaag tgctgggatt 480
acaggtgtga gacaccgcac ccggcctggg aagtgttctt aatcaaggtg ctcataagaa 540
ttagccagtt ttgttgtgtt ttgaatgtac atttctatgc cccatttctca gagattttga 600
tttggaaggt ctgaagcttt aaggtctgag tacagtatct ttaaaaagct ccctatgtga 660
ttctaatttt caggctatcg ggttgtagaa ccaaagagtc 700

```

<210> 1574

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1574

```

cccggcctgg taagtgttct taatcaaggt gtcataaga attagccagt tttgttgtgt 60
tttgaatgta catttctatg cccatttctc agagattttg atttggaagg tctgaagctt 120
taaggtctga gtacagtatc tttaaaaagc tcctatgtg attctaattt tcaggctatc 180
gggttgtaga accaaagagt cagaagatca agatattcag atgaattcat tttacatgag 240
aataagacaa agttgatgtt tttattaaaa tgctataatc ttaggatcaa aaatagacaa 300
aatacttcta aaagtattat atcttaaaat tattagatta ttcaaacaat atcttacagc 360
ttttatgagc tcctgggtcca gttcaagaat cctgtctgaa gatccttcca actgctgtaa 420
ttcatacttc acatttttca gctcattctg cttcttactt aggatttctg attttaactc 480
aattattctt cccagttccag ttttcttctc tcttatctca tctatctgtt tttgtttcag 540
agtctctttt tctgcaaagt cattctaaat gcatatgtaa agaattgagca ttaataattt 600
actaaacaat ttaagttttt taattgcaaa aggaatatat gtacactgaa gaaaatacaa 660
aaaagtacag tcgtgtgttg ctcagcaggg atatattcca 700

```

<210> 1575

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1575

```

gttttcttat ctcttatctc atctatctgt ttttgtttca gagtctcttt ttctgcaaag 60
tcattctaaa tgcataatgta aagaatgagc attaataatt tactaaacaa ttttaagttt 120
ttaattgcaa aaggaatata tgtacactga agaaaataca aaaaagtaca gtcgtgtgtt 180
gctcagcagg gatataattcc aagaaatgca tcattaggca attttatcat tgtgtgaaca 240
tcagaatgta tttacataag cctacatggg atagttaa acacacatag actatatggg 300
atagcctatt gtttatgggc tacaaccta tacagcatat tactgtactg aatactttgg 360
caactgtaac atgatgataa gtatttatgt atctaaacat atctaaacac agaaaacata 420
cagtaaaata cagtattata attttatggg accaatgtca aatatgtggg ctatcactga 480
ccaaaacatg tggttcaaga ctgtatttta aaaacaatca aaaccattac ccagagataa 540
tcattaactg tgagcaaatg ttttctctgc aattagtttt taaaaatttt tacttaaaac 600
caaataaaaa atgtagggtt acattttctt catattttta tctttataca cttaagaaca 660
tttgcttcaa taaaggtttt tctgccttgt agcagatttt 700

```

<210> 1576

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1576

```

actgtatttt aaaaacaatc aaaaccatta cccagagata atcattaact gtgagcaaat 60

```

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gttttctctg caattagttt ttaaaaattt ttacttaaaa ccaaataaaa aatgtagggt 120
tacattttct tcatattttt atcttttata acttaagaac atttgcttca ataaagggtt 180
ttctgccttg tagcagattt tatcctaaca ctaatagaaa aatatgccaa aatggagtcc 240
aaccaaaaat taaaacaatt caagtagaga atatgatgca aacaaaataa caaatactgt 300
atttcaaaat acttgccatc agttgggttg cagtttttgc ttccccctct tgtctctctc 360
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ccaattctag ctgtgttgcc aaagactgaa ttaatgaatc tctagctcgg atatgttctt 480
gatggcgatc tgcttgccagc tgtagacgac ctttttaaaaa aaaaatctca taattttttt 540
ttcaactggg gcttaaaaaa ttgagatagc tgcagattca cgagttataa aaaataatgc 600
agtgtgtctc ttgtacattt tgcccagttt ctcccaatga taacattttg caaaactgca 660
gtaaaatatc acaaccagaa tactgatatt gatataattc 700

```

<210> 1577

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1577

```

ctgtagacga cctttttaaaa aaaaaatctc ataatttttt tttcaactgg tgcttaaaaa 60
gttgagatag ctgcagattc acgagttata aaaaataatg cagtgtgtct cttgtacatt 120
ttgccagttt tctcccaatg ataacatttt gcaaaactgc agtaaaatat cacaaccaga 180
atactgatat tgatataatt catcaatctt attcaaat tccccatttt atttgtacc 240
ctgagcatgt ggatgtgtgt atattaagtt ctatataatt ttatcacctg tgtcggttca 300
tatatccact atggcagtca agatactgaa cagttccaat actacaagga ctctcttttt 360
gttctaatac taaccatacc tagctccctc ctgtcctttc tcttaccag tatccctggc 420
aaccactaat ttctccacta tttctaaaa tttgacatta taaaaatgtt atataaatgg 480
aaacatactg tgtatagcct ttttaagatt gcttttctact cagcataagt ccttgagat 540
tcttcattca tacagaaaat gtataaacat atagtaggaa aaacgaccaa ataaacattt 600
tgtcctaccc tgttcaacaa gcagttctga tttttcctga ttgagaagcc tagattcttt 660
atthagtttt tccagttcac gatgacagtc taccaatttc 700

```

<210> 1578

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1578

```

ttttaagatt ggctttttcac tcagcataag tccctggaga ttcttcattc atacagaaaa 60
tgtataacat catagtagga aaaacgacca aataaacatt ttgtcctacc ctgttcaaca 120
agcagttctg atttttcctg attgagaagc ctagattctt tatttagttt ttccagttca 180
cgatgacagt ctaccaat ttttctttt tcccttactg ttctctgggtg atttgtatat 240
aagtcattta gttgtctatc agtcccttga aaaacctgtg taacaccaa ataaaaagct 300
ttaatgtaca aacataagaa aatatgatca ctttgaggta tcaaataa accaaacctt 360
attcaatata cttcatttta acatatacat agaagtaaca agatctgtat ttgttttttt 420
ccaatgtgga tggcaaaatg gattcaaata aagttcatta caataatccc aaaattttga 480
agcagaacaa aattctacca ccacaaacct tttccatttt ctcttccagt tcaactattat 540
ctttctccat ttgtctcttt cggctatcca aggccttaaat ttcattgtca agtttcatta 600
tttttagagag attatgttca atttctttta gacgattctg aaaataaaga aacattacat 660
aaataaaact cactatagct tacatggctg atagatgaag 700

```

<210> 1579

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1579

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accacaaacc ttttccattt tctcttccag ttcactatta tctttctcca tttgcttctt 60
tcggctatcc aaggctttta tttcattgtc aagtttcatt attttagaga gattatgttc 120
aatttctttt agacgattct gaaaataaag aaacattaca taaataaaac tcactatagc 180

```

```

ttacatggct gatagatgaa gacaagtaag atactccagg tccaggcatt tagtaaaagt 240
gatctcattt aaggctaaca ataacactgt agagcaggcc tagagaaact gaagttcaga 300
gacattaagt aacttggccc aagtccctcac agctagtaga gagaagcagg aattaaattc 360
cactttctaac tccaaacacc atgtcctgtc ctcaacacct gccacaaaag tcattattca 420
ttcattgggc atttagagtt acttaatcct taaaaaggta actattttaat gtattttttt 480
aagtcaggac tactgagaag gctagaaatt catggtgagt taccaatgca ttctgagcct 540
ataggcaaat ttacatgaag agtatacttt aatccaaagc ttgctcaacc acagaggact 600
ctgagcaagt aaagtacaac aaggggagctc agtggcctgc tctgaggctc gcttcagag 660
acagctgggt gcctcatctc ccaggaatac tgggatctgg 700

```

<210> 1580

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1580

```

ggctagaaat tcatgggtgag ttaccaatgc attctgagcc tataggcaaa tttacatgaa 60
gagtatactt taatccaaag cttgctcaac cacagaggac tctgagcaag taaagtacaa 120
caagggagct cagtggcctg ctctgaggct cgcttccaga gacagctggg tgccctcatct 180
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aacctacttt tattattatt atttcaaagt cagagacaag gtcttgctat gttgccctgg 360
ctggagtggc tattcacagg tgcaataaca gtgcaataca acttgaactc ctgggctcaa 420
gtgttcctcc cacctcagcc tccaagtagc tgagactata agtatgtacc accatgccc 480
gcagaacctt attttaaact aacatatgaa gttattggaa tgcttagaca gcaattgcaa 540
gctttcataa ttgcaccaa atgcatcctc gactttaaca taatttatta aaattatact 600
aatagtatag cttgtgattt gtatatgaac gtaaacgttc atatacaaat gaacctaaaa 660
acagaaactt tgtttacttt gttccctaact gtatccccag 700

```

<210> 1581

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1581

```

taacatatga agttattgga atgcttagac agcaattgca agctttcata attgcaccaa 60
aatgcatcct cgactttaac ataatttatt aaaattatac taatagtata gcttgtgatt 120
tgtatatgaa cgtaaacggt catatacaaa tgaacctaaa aacagaaact ttgtttactt 180
tgttccctaa tgtatcccca gaacatgcaa taggtgttca atggttagcta aacgaaagag 240
agatttgaaa aaaataattt taccaagagc aacagtcaca ggtatcactg attgaatgtc 300
tgctatgttc cagacactgt actaggtgct gctataaatt ctctctaate ctcacaaaag 360
tatatactaa gcaggaaatt caaaggactt aactgacttg tacaaaattg tatagttaag 420
attgggagac aagataacaa taagattaga aggcagggtg tcataatgac taggctctgg 480
gtgctagaag aagtggacat ttgtatgtaa gaaagtaaac ctcaactttt acctcatatc 540
atattaagat tctgaaatga agcatatact taattgtaag aactcaaact ataaaacttt 600
tagaggaaaa cactgaagaa tttttttgtg acactgggtc aaagacttcc taaataataa 660
acaaaaagta taaaccataa gagaaaaaag tttataaact 700

```

<210> 1582

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1582

```

tttgtatgta agaaagtaaa cctcaacttt tacctcatat catattaaga ttctgaaatg 60
aagcatatac ttaattgtaa gaactcaaac tataaaactt ttagaggaaa aactgaaga 120
atatttttgt gacactgggt caaagacttc ctaaataata aacaaaaagt ataaaccata 180
agagaaaaaa gttttataaac tgtacctgat caaaatttaa aactcctgtc ctctgaaaag 240
cagttaagaa atatctgcaa aaccaatatc tgataaaggg cttgtatcca gaacatattt 300

```

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agaactctct gacctggcact gtagctcaca cctgtaatcc cagcactttg ggagactgag 360
gcaggctgat tgcttgagcc cagaagtttg agaccagcct gggtaacctg gtgagacctt 420
gcctctacaa gtctcaccgg tgtggtgagt gtgtgcctgt agtcccagct acgtggggaga 480
ctgaggtgga aggatcactt gagcctggga gtcagagggt gcagtgcagc aagatcacac 540
cactgcactc tggcctgggt aagacagcga gacctgtctt caaaaaacaa gaaaaaaaaa 600
aaaaaaaaaa agaactctca cagctcaata ataaaatgac caataaataa ataacattga 660
aaaataggca aaagactttt atattttact aacgaagata                                700

```

<210> 1583

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1583

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tgagcctggg agtcagaggt tgcagtgcag caagatcaca ccactgcact ctggcctggg 60
taagacagcg agaccctgtc tcaaaaaaca agaaaaaaaa aaaaaaaaaa aagaactctc 120
acagctcaat aataaaatga ccaataaata aataacattg aaaaataggc aaaagacttt 180
tatattttac taacgaagat attcaggtgg caaataaata catgaaaaga tgctcaaaat 240
caataatcaa ttgactgac aactaggaaa acacaaatta aaaatataaa gaaatacaac 300
ctcacaatgt cacaatgaga cactaccaca cccctactgt tatggctaaa atgaaaaaga 360
ctgacagtac taagtgggga tgagaatgca gagcaattac attcccataa attgttggtg 420
tattgttggg aggactatga agtggtacca gatggtacag ccactctggta acttataagg 480
ttaaacatat atttaccaca cgacctagca acccgagtcc taaagttatc caaagacctg 540
tatacagaag tttatagcag ttttatctgt aacaacccaa agccgaaaac aacttatttc 600
tttttattat actttaagtt cgagggtaca tgtgcacaac atgcagggtt gttacatatg 660
tatacatgtg ccatgttggg gtgtgtgcacc cattaactcg                                700

```

<210> 1584

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1584

```

acgacctagc aacccgagtc ctaaagttat ccaaagacct gtatacagaa gtttatagca 60
gtttttatctg taacaaccca aagccgaaaa caacttattt ctttttatta tactttaagt 120
tcgagggtac atgtgcacaa catgcagggt ttgtacatat gtatacatgt gccatgttgg 180
tgtgtgcac ccattaactc gtcatttaca ttagggtgat ctccaatgc tatccctcct 240
ccctcccccc accccacaa acaggaccagt gtgtgatgtt ccccttcctg tgtctgtcca 300
agtgttctca ttgttcaatt cccacctatg agtgagaaca tgcggtgttt ggttttttgt 360
tcttgcggtg gtttgctgag aatgatgggt tccagcttca tccatgtccc taaaaaggac 420
atgaactcat cattttttat ggctgcatag tattccatgg tgtatatgtg ccatattttc 480
ttaatccagt ctatcatcat tggacatttg ggttggttct aagtccttgc tattgtgagt 540
agtgtgcaa taaacatata tgtgcatgtg tctttatagc agcatgattt ataacctttt 600
gggtatatac ccagtaatgg gatggctggg tcaaattgga tttctatttc tagatccttg 660
aggaatcgcc acactgacaa atgggttcta attaaactaa                                700

```

<210> 1585

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1585

```

ttggacattt ggggttggttc taagtctttg ctattgtgag tagtgctgca ataaacatac 60
atgtgcatgt gtcttttatag cagcatgatt tataatcctt tgggtatata ccagtaatg 120
ggatggctgg gtcaaagtgt atttctattt ctagatcctt gaggaatcgc cactgaca 180
aatgggttct aattaaacta aagagcttct gcacagcaaa agaaactacc atcagagtga 240
acaagcaacc tacagaatgg gagaacattt ttgcaatcaa ctcatctgac aaagggttaa 300
tatccagaat ctacaaagaa ctcaaacaaa tttacaagaa aaaaacaaac aaccccatca 360
aaaagtgggt gaaggatatg aacagacact tctcaaaaga agagatttat gcagacaaca 420

```

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gacacatgaa aaaatgctca tcatcactgg ccatcagaga aatgcaaadc aaaaccacaa 480
tgagatatca tctcacacca gttagaatgg cgatcaataa aaatcaggaa acaacagggtg 540
ctggagagga tgtggagaaa gaggaacact ttacactgt tggagggact gtaaactagt 600
tcaacacaaa acaacttaat gtccatcagc cacagaatgg atgaggaaaa aaattataat 660
acatgcatac aatggaagga atgctcctcc acaataaaaa 700

```

<210> 1586

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1586

```

agttagaatg gcgatcaata aaaatcaggga aacaacagggt gctggagagg atgtggagaa 60
agaggaacac ttttacactg ttggaggggac tgtaaactag ttcaaccaa aacaacttaa 120
tgtccatcag ccacagaatg gatgaggaaa aaaattataa tacatgcata caatggaagg 180
aatgctcctc cacaataaaa aggaatgaat tgccggggcac agtgggtcac acctgtaate 240
ccagcacttt gggaggccga ggtgggcaga tcatctgagg ttgggagttc gagaccagcc 300
tgaccaacat ggagaaaccc cgtctctact aaaaatacaa aaaaaattag ctgggtatgg 360
tggcacatgc ctgtaatccc agtactttgg gaggtcagg taggagaatt gcttgaacct 420
gggagacgga ggttgagtg agccgagatc atgccattgc actccagcct gggcaataag 480
agtgaactc cgtctcaaaa aaaaaaaaaa aaaaaaggaa tgaattactc acacatgcag 540
caacatagat aaatcccaga cacaaaagtc tgcatactgt atgattctat atatgtgcca 600
ctctctggaa aaggcaaac tataatgaca gaaacaaat tagtggttac tatggatggg 660
agcaggggag aggactgact gcaaggactt tgagagaact 700

```

<210> 1587

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1587

```

aaaaaaaaaa aaaaaaaggga atgaattact cacacatgca gcaacataga taaatcccag 60
acacaaaagt ctgcatactg tatgattcta tatatgtgcc actctctgga aaaggcaaaa 120
ctataatgac agaaaaacaaa ttagtggtta ctatggatgg gagcagggga gaggactgac 180
tgcaaggact ttgagagaac tttttggagt gactgaaata ttctacatct tcatthtagt 240
gatggttatg ctactgtatg catatgtcct aactcataga atttatactc taaaaagggt 300
ggattttacc atatatatat tataccttaa taaacttgac ttaaaaagaa aaaaagggtat 360
aaacttagga atcagaggac tcaaatccta cctttaaccc ttatttccac tgtgaatacc 420
tgtacctcag ttttcctgcc tatacaacct cacagttact atggagttha cattatacat 480
tttaaagcac tcgggttagt gttaggcagt aaacattcaa ttaatgagac catttgcacc 540
acttgtgaaa aaaattctgt actcagaaaa taccttttga gtagagtcta acaaatataa 600
ctggatggat acttaagagc aatgaatact aacagctcta ctatgatact ctacaaagtg 660
ctcagtttct ttccatcagt gttttcactg cctcttggtg 700

```

<210> 1588

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1588

```

tgttaggcag taaacattca attaatgaga ccatttgcac cacttgtgaa aaaaattctg 60
tactcagaaa ataccttttg agtagagtct aacaaatata actggatgga tacttaagag 120
caatgaatac taacagctct actatgatac tctacaaagt gctcagtttc tttccatcag 180
tgttttact gcctcttggg agcacaata ttatgataat catctgggct tggatctttc 240
atgacatctc tacctgcttc attccttaaa tccagccagt caccagatcc cctgaattcc 300
ttctttgaca tctgtgtttt ggttctaate tcagagcaca aaacatagggt tctatcccca 360
gagtacacac ctagtaaaag gagctaggac aagcaggcag acaacaataa caaaaacagc 420
caagggttta aagcttaggt gccagtgtga aatgagataa aaaaaataga gcagctgggc 480
tatcaagtat agaaggacca tgaacttgtg tgcagaaaaa aaaagttaga aacatattcc 540

```



```
tctagcaatt cccattttaag gcaagaaagg aaaacagatc taagtaggcc aaaaaaagag 600
gacaggatat ggtgggatgg taataaagta gtttatgaga gagtgagagt tcccgaagat 660
aaagggaatc agtaaaaatg ggaaaggatg cattctagtg 700
```

```
<210> 1589
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 1589
atgaacttgt gtgcagaaaa aaaaagttag aaacatatct ctctagcaat tccatttta 60
ggcaagaaag gaaaacagat ctaagtaggc caaaaaaaga ggacaggata tggggtggatg 120
gtaataaagt agtttatgag agagttagag ttcccgaaga taaagggaat cagtaaaaaat 180
gggaaaggat gcattctagt gcatggttga aaggacgtag tcttttctgg gaaggtgatt 240
tgacccaaac tttattggg ttctatgaag ggaagaatct tcacatgtca gagctaaaaa 300
aaaggacttt ggaagtcatc tacttaataa acatttattg aaccacctgc tatgtgccag 360
gcactaggct aggtctctgag gatacagaga agaataattaa acccttggag aattactcac 420
aattaaacac aaacaagtaa ataaatacct caacctctgc tacagccttg gttagaatct 480
tggcaccact cactaaatcc taggtattat catttagccc taccttgaca tcatttccaa 540
tataaatgct tcatctcaac aatatggatt tccttgacag tgttcaaaga cagcttggat 600
tttactgtct ctatgtctcc aatgacttac tcatttatga tcaaaaaagt catggccaaa 660
ttcagtccta tgaaatcctc tctggctacc tcagatagaa 700
```

```
<210> 1590
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 1590
ctaggtatta tcatttagcc ctaccttgac atcattttcca atataaatgc ttcattttcaa 60
caatatggat ttctctgaca gtgttcaaag acagcttggg ttttactgtc tctatgtctc 120
caatgactta ctcatctatg atcaaaaaag tcatggccaa attcagtcct atgaaatcct 180
ctctggctac ctcatagata aattctcttt ctttatcctc agagctccta caggtcttgt 240
ttttttctct gccttaccat tacatgtgct tgtcatctct ccaaccaaga tgctcctcaa 300
gaaaataaaa cgtggagtgg ggcaaggggg aaagaagaaa aaaaaaggaa atctgttcta 360
atatcttggg aattaccacg ggaccacac agagttatca ggacaactca tcctaaaata 420
taacatagtc ttccactctt ctgtctattg aactaagtct gaaatccatt agctttctat 480
aatctgaccc cgattcatat tggctcattt ctctttttat attgatttac ttaaccacaga 540
ctcttctctc cataatcctg ttctgattaa gcttgtaaag gtaaatatgc acatacatc 600
aagtgaatgt ttgtatatac atatgtattg tatatatgca gttaaaaaaa gttgcaggta 660
aaatatactc tggaagggtta gagatgagaa atggaagact 700
```

```
<210> 1591
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 1591
ttggtcattt actcctttta tattgattta cttaaccag actcttcctc tcataatcct 60
gttctgatta agcttgtaaa ggtaaatatg cacatacata caagtgaatg tttgtatata 120
catatgtatt gtatatatgc agttaaaaaa agttgcaggt aaaatatact ctggaagggt 180
agagatgaga aatggaagac tatcttttac ttttcaccta atatcctttt ataacttttt 240
tactaggggc acatattact tttaaaagaa aagtcaaaat aaatacaaac atttccaggt 300
gcggtggctc acgcctgtaa tccctgcact ttgggaggcc gaggcgggca gatcacttga 360
ggtcgggagt tcgcgaccag cctgaccaac atggagaaac cccgtctcta ctaaaaatac 420
aaaaaattct attttttttt tttatttagc cgggcgtggg ggctcatgcc tgtaatccca 480
gctaccctgg aggctaagtg ggagaattgc ttgaaccgg gaggcagagg ttgcagttag 540
ccgagatcgt gccactgcac tccagcctgg gcaacaaaag tgaaactcca tctcaaaaat 600
aaataaataa ataaatacaa acatgtataa aatgtcttct agtttgctga cttgatttct 660
```

tcccattctt caaggccac ctcagcccta ctcctccca

700

<210> 1592

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1592

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gggagaattg cttgaacccg ggaggcagag gttgcagtga gccgagatcg tgccactgca 60
ctccagcctg ggcaacaaaa gtgaaactcc atctcaaaaa taaataaata aataaatata 120
aacatgtata aaatgtcttc tagtttgctg acttgatttc ttcccattct tcaaggccca 180
cctcagccct acctcctccc agaagccctt gcaatatatt tctatgcatg gccatcatta 240
aaaatatata tatattttct acttcatgat tcaaagatct atactggtat ttacagggtga 300
gtttttttaa aaccaaataca ataaattttt taatgacttt aaaaaatcta ctatctaaaa 360
catagcaaat agccattttt aagaatgctc ttatttagac taggaatacc ttaaggacag 420
gggtgcagtt gtagtcctct ttgtacccaa gcacagtata ccctggtaca aagaagacac 480
ccaataaatg cttattaaat gaatgaatgg aatttcctgt aggcctttct tataaatcac 540
cgggttgagg aagggtatact catttgcaaa tatatgaaca tgttatggat caattccaaa 600
ttctgtgcaa tttttgaatg cttcaaaaac tttctgcaaa ttttaaaaat tctctagaaa 660
gatgtcaatt tttaaaaata ttaatacaga actgtaaggt 700

```

<210> 1593

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1593

```

tgaatgaatg gaatttcctg taggcctttc ttataaatca ccgggttgag gaaggtatac 60
tcatttgcaa atatatgaac atgttatgga tcaattccaa attctgtgca atttttgaat 120
gcttcaaaaa cttttctgcaa attttaaaaa ttctctagaa agatgtcaat ttttaaaaat 180
attaatacag aactgtaagg ttgggtaatg atattgctat ttaacaccta gtgatctata 240
ctactaattt agtgtgatgc tacaattttg ttttctttca aatccaagct ctttcagcaa 300
tttaagact aacatagacc taaaacatta gtcacctgat aattcaagaa atatacaagc 360
cattcagttt catatacaaa taaggggaga atgctactat agcaaaaaaa ggactaccta 420
tttagtatac aagaaattaa ctactgtaca tcactgtgac tttagttaat aacaatatat 480
aattgctaag agagttagatt ttaagtgttc tcaccataaa aaaattgaag taatgaacgt 540
taaatagctt gatttagcca gtccacgatg tatacttata tcaaaacatc atgctgtata 600
ccataaagat atacaatttt tgtcaattaa aaataaaatc aagttacctt caatggatca 660
agttcattct cataggattt gacaattttc tttgaagatg 700

```

<210> 1594

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1594

```

tttaagtgtt ctcaccataa aaaaattgaa gtaatgaacg ttaaataagct tgatttagcc 60
agtccacgat gtatacttat atcaaaacat catgctgtat accataaaga tatacaattt 120
ttgtcaatta aaaataaaat caagttacct tcaatggatc aagttcattc tcataggatt 180
tgacaatttc ctttgaagat gttaactggg cttccttact tgtaatctga tcacgaatct 240
cacaagcttt ttccctatat tgcttcagat attttagttc catttgatat tcttttactt 300
tctgaccttg tgtctgacgt acctgccgaa gtgtttctaa ggctttaatg tatctttgaa 360
gatatgaaac aaaaatcaaa tttctggcaa agtaaattat ggtatatatt catacagtgg 420
gatattatgc tgtcactaag attacagtta caatgagttt ttaataactt gtaaaatgcc 480
tatgacataa tggtaaagtga aaaaaattac atttatactg tcaatcaggt aaataaatat 540
acgcacagaa agacaagtga aagaaaatat gcccaatggg tgctgctgga tgagaggtag 600
taactgatga cttttctgct ttttaaat tttctgttaa aaagaagcat ccaaattgca 660
aacacagttc aataacttaa tggactacaa agtctattta 700

```

<210> 1595
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1595
aaaaaaatta cttttatact gtcaatcagg taaataaata tacgcacaga aagacaagtg 60
aaagaaaata tgcccaatgg ttgctgctgg atgagaggta gtaactgatg accttttctgc 120
tttttaaat ttttctgtta aaaagaagca tccaaattgc aaacacagtt caataactta 180
atggactaca aagtctatct aagggttaca aacctgtgtg ctgaaaaaat ctcatacaac 240
ttttgcttca aagcctttcc ttcacttaaa ggccaattag aatcttcttg atgacagaaa 300
atgacattat ttagcacagc cttggaaacc ccaagagAAC tgatcatttc tcggtcaatt 360
tctgcacact tagagctcag actgaccttt tcacctgccc tacagaaaat gaaaatcaag 420
aatatatgta aaataacctt cagtgtatct attctattgc ttaatcaatt catactgtac 480
ttcttttaaa gaataaaaaa aaaggccctt cacctatccc gttagaaatg gcttcatcat 540
gctaaaaagt gtaactctta aactatttaa cggttcacag atgaaaagat atgtaaaaca 600
aagtagttca ggaaaggaag ccagaattta ttttttcat atttggactt ttaaataata 660
taatttagaa tacttagaga tactatatag agcatctaact 700
```

<210> 1596
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1596
aaaaggccct tcacctatcc cgttagaaat ggcttcatca tgctaaaaag tgtaactctt 60
aaactattta acggttcaca gatgaaaaga tatgtaaaac aaagtagttc aggaaaggaa 120
gccagaattt attttttaca tatttggact tttaaatata ataatttaga atacttagag 180
atactatata gagcatthaac tgtcttaaaa ataagagaca aagaataaaa caaaacatga 240
tgatcaatag cagacaggca aaggtaagtt aaaaacatct tagaatgggg ttctttcttc 300
agtaacagac tgctctgggtg agcagaggca atactgtctt ttactgtttt ttatacatct 360
caatttgat tttgaaaata ttacactggg ccaggcacgg tggctcatgt ctgtaatccc 420
agcaatttgg gaggccgagg tgaatggatc acctgaggtc aggagtctga gaccagccag 480
actaacatgg tgaaaccctg tctctattaa aaatacaaaa aaattagcca ggtgtgggtg 540
tgggcacctg taatcccagc tccttgggag gctgaggcaa gagaatcact tgaactcgg 600
gaggttgcag tgagnngaga tnnnnncatt gcactccagc ctggggnnacn agagnganac 660
tcngtctcaa aaaaaaaaaa aaaaaaaaaa nnnnnagaaa 700
```

<210> 1597
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 1597
gtctctatta aaaatacaaa aaaattagcc aggtgtgggtg gtgggcacct gtaatcccag 60
ctccttggga ggctgaggca agagaatcac ttgaactcgg tgaggttgca gtgagnngag 120
atnnnnncat tgcactccag cctggggnnac nagagnzana ctngtctca aaaaaaaaaa 180
aaaaaaaaaa annnnnagaa aaaaaatnnn atnntgaatn tnttaagnnn gntttgcaga 240
gggntnnaat agacacagat aaatcaatag gttatcacat gaggtcatgg aaagacaatg 300
```

gtagcttgga	ctaggactag	aatggtgggt	gtagagatgg	aaacagattc	cagagacatt	360
tagattaaat	tcataggtct	cagtaataga	ctggatatgg	aaggcaaaga	catatcaaga	420
cttaggttct	tggcttttgt	cactggacgg	atagtgggtat	cattcaccaa	ggtgaggtat	480
accataagac	caagttgttg	gaggtttttt	aagggggggag	gtcaaagaga	aaggactgag	540
tttggttttg	gaaacgttga	acctaagttg	tctttgaaac	aactggtaaa	aaaaatcaga	600
gatggggctg	ggcgcggtgg	ctcacgcctg	taatcccagc	actttggggag	gctgaggtgg	660
gcggatcacg	aggtcaagag	atcaagacca	ttctggctaa			700

<210> 1598

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1598

ggaggttttt	taagggggga	ggtcaaagag	aaaggactga	gttttggtttt	ggaaacgttg	60
aacctaagtt	gtctttgaaa	caactggtaa	aaaaaatcag	agatggggct	ggcgcggtg	120
gctcacgcct	gtaatcccag	cactttggga	ggctgaggtg	ggcggatcac	gaggtcaaga	180
gatcaagacc	attctggcta	acatggtgaa	accccatctc	tactaaaagt	acaaaaatta	240
gccaggcatg	gtggtgcacg	cctgtagtcc	cagctactca	ggaggctgag	gcaggagaat	300
cgtttaaac	cgggaaggcg	aggttgca	gagctgagat	ttcaccactg	cactccagcc	360
tgggtgacag	acagagcaag	actccatctc	aaaaaaaaaa	aaaaaaaaaa	aaaaaatcag	420
aaatgggtaa	ataggtctgg	gtaaatgggt	ctggaaacag	aggtctggtt	tggagatatg	480
acataaatct	gtgagtcatc	tatgaacaca	gagtagtttg	agcaatggat	aagaatgtga	540
ttacctagga	agaaaataca	gagcaaaaaa	aaggagaaga	tacaggactg	agcctaata	600
gacttccaac	ctttattgat	ggggtgaatg	aagtagtatg	tagctgtgat	agaaagagag	660
aacagtattg	tatcatggag	gtctagaaaa	agaaattttc			700

<210> 1599

<211> 699

<212> DNA

<213> Homo sapiens

<400> 1599

ctatgaacac	agagtagttt	gagcaatgga	taagaatgtg	attacctagg	aagaaaatac	60
agagcaaaaa	aaaggagaag	atacaggact	gagcctaatt	agacttccaa	cctttattga	120
tgggggtgaat	gaagtagtat	gtagctgtga	tagaaagaga	gaacagtatt	gtatcatgga	180
gggtctagaaa	aagaaatttt	caaataaaaa	gtaataaact	agcattttact	tagctatggg	240
acatggaaca	atggctcctc	aagatgtcca	catttttaatc	ccttgaattt	gtgaatgtta	300
cattgcacag	caaaagagaa	ttaagattac	agatggaatt	aggggtgtta	tcatttgacc	360
ttaaaataga	ctatcctgga	ttatttggat	ggggcaaatg	taatcacatg	ggtcctttta	420
tgtgagagag	gaaggcagaa	gaagagagaa	gaagaggtca	cagtgatttg	atatgagaag	480
aactctgccc	actattgctt	gctttgaaga	cagagtaaga	gggcatgatc	taaaaaatat	540
gggtggcctc	taaaagacgg	aaagaacaag	gaaacatatt	ctcccttaga	gcctccagaa	600
aggaacgtaa	ccctactaac	atcttgattt	tagcccagtg	agacccaatt	cagacttcta	660
aactacataa	gtgtaagata	ataaatttgt	attgtttat			699

<210> 1600

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1600

tgctttgaag	acagagtaag	agggcatgat	ctaaaaaata	tgggtggcct	ctaaaagacg	60
gaaagaacaa	ggaaacatat	tctcccttag	agcctccaga	aaggaacgta	accctactaa	120
catcttgatt	ttagcccagt	gagacccaat	tcagacttct	aaactacata	agtgtaaagt	180
aataaatttg	tattgtttat	agcactaagt	ttgtggtttc	ttatagcagt	catagaagac	240
taatacatga	actcttacta	catgttaagc	attttatatg	cattagctca	accttgacaa	300
catctaagat	acacacagtg	aaaatgaatg	cctactttac	aaatgaaata	aacagaggct	360
cactcttagg	tctactttgt	atagcagcag	cattacccta	attaaaaaca	gagttattag	420

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taacttttagt cagaggtggt tcaaaggacg aatgggactg caattggagt gaagaggagg 480
tgaagaaatg gagacagtat caacaactct tttgagagac tggctataaa ggagaagaag 540
gagacaggta gtaactggag tggaatgaaa tcccagggtg tgagagatac ttgagtgtgt 600
taaaatggca atgatgaaaa cctgcttgag aagccagtat agtgcctcca gcacatagta 660
gatgtgcatt attggttaaa taaaggaatt acttagctag 700

```

<210> 1601

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1601

```

tcaacaactc ttttgagaga ctggctataa aggagaagaa ggagacaggt agtaactgga 60
gtggaatgaa atcccagggt atgagagata cttgagtgtg ttaaaatggc aatgatgaaa 120
acctgcttga gaagccagta tagtgctcc agcacatagt agatgtgcat tattgggttaa 180
ataaaggaat tacttagcta gttaaataaa agggaggaga agaagctgaa tagtcaagta 240
atthtctcaa caaagacaga gacttgaatc taaggtagtc taatcccaa atccatatcc 300
attagaaaaa gatacctgcc tctaacagaa tgataatggt tgaaaggaac aatttatcat 360
tctttcctac ttgtctgctt ctcatctcac ccattcttaa acatgacact agaatttttt 420
actcattcaa cctgtatttg agtgattatg tgctttcaat tcagcaactg ttcagaaatt 480
actcaagaga atggaacata accctaagtc tttcatggga tcattctatt taactgacaa 540
atagtatcca caaaaaatca aatgttcata gtggaggagg ctgtgtgtgc gtgggggtag 600
ggagaaaaatg gaagctcagt actttctgcc caattttgct ataaaccaa aactgctcta 660
aaaaataaaa gtctaaagtc tattgaaaaa aatttaatat 700

```

<210> 1602

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1602

```

aacccctaagt ctttcatggg atcattctat ttaactgaca aatagtatcc aaaaaaatc 60
aatgttcat agtggaggag gctgtgtgtg cgtgggggta gggagaaaat ggaagctcag 120
tactttctgc ccaattttgc tataaaccca aaactgctct aaaaaataa agtctaaagt 180
ctattgaaaa aaatttaata tgctccccta aacttatagt agaaaacaac catcaactta 240
cagacctaaa agactgaaaa tgaacagaaa ttcaaatac atataaacac ctactttggt 300
ctagtaatga ctcttccag agttttaaat tctgtctttt tgcttttctg agtacacacc 360
atagatcttt gcacagctat aagttctcca ttgacatcac gaaattgcag acgaatctgg 420
gctctcacat ctgtttcttg agcaaccttt gaaggaaaac acagaaaaaa cttatgttac 480
tttaataagc accagtgttg gttctgagaa aaaggcataa gcaatcttac ccaaatgag 540
ggaacaaaaa gaaaaacatc caaaatgagt gatattttta catgctatcc aaaatataga 600
agaatactgt ttaattaatt tacaaaaatg atatactatc tacctccttt attcagcatc 660
attaggagat caggtatgca gatttttcaa ataaatgaat 700

```

<210> 1603

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1603

```

ggttctgaga aaaaggcata agcaatctta cccaaaatga ggaacaaaa agaaaaacat 60
ccaaaatgag tgatattttt acatgctatc caaaatatag aagaatactg ttttaattaat 120
ttacaaaaat gatatactat ctacctctt tattcagcat cattaggaga tcaggtagtc 180
agatttttca aataaatgaa ttttatctct gtaagcatca aaaatgtttt ttatccttaa 240
aaattgcaag tttatagaaa ggtagaatga tttggtttgt ctttgtctcc acccaaactc 300
catcttgaat ttccacatgt tgcaggaggt acccagttga aggtaattga atcatgggga 360
caggtctttc ccatgctgtt cttgtgacag tgagtaagtc tcacgagacc tgatggtttt 420
ataagaagga gtttccccgc acaagctctc tttgcctgtt gctgtccatg taagatgtga 480
cttgcgctc cttaccttcc accatgattg tgaggcctcc caagccaggt ggaactgtag 540

```

```
tccattaaac ccttttcttt gttaaattgtc cagtctcagg tatactcttta ttagcagtgt 600
gaaaacggac tcatacagta aattgggtacc aggagtggag tgctgctgaa aagttatccg 660
aaaatgtgaa agcgactttg gaactgggta acaggcagag 700
```

```
<210> 1604
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 1604
caccatgatt gtgaggcctc ccaagccagg tggaactgta gtccattaaa ccctttcttt 60
tgtaaatgtt ccagtctcag gtatatcttt attagcagtg tgaaaacgga ctcatcacagt 120
aaattgggtac caggagtggg gtgctgctga aaagtatcc gaaaatgtga aagcgacttt 180
ggaactgggt aacaggcaga ggatggaaca gtttagaagg ctcaagaag aggaaaatat 240
gggaaagtgt ggaactccct agagatttgt tgaatggcat tgaccaaagt gctgatgagg 300
atatggacaa tgaaatccag gttgagggtg tctcagatgg agataaggaa cttgttgagg 360
actggggcaa aggtgacttt tgttatattt tagcaaagaa actggcagca ttttgccctt 420
gccctaggaa tgtgtggacc tttgaacttg agagagatga tttagggtat ctggtgaaag 480
aaatttctaa gcagtaaagc attcaagcgg tgacttgggt gctgttaaag ggatgcagta 540
ttaaaaggga aacagcataa aagtttggaa aatttgcagc ttgacaatgt gatagaaaat 600
aaaatcccat tttctgagga ggaattcaag ccagctgcag aaatttgcag aagtaacaag 660
gaaccaaatg ttaattacca agacaataag gaaaatgtct 700
```

```
<210> 1605
<211> 700
<212> DNA
<213> Homo sapiens
```

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<400> 1605
cattcaagcg gtgacttggg tgctgttaaa gggatgcagt attaaaaggg aaacagcata 60
aaagtttggg aaatttgcag cttgacaatg tgatagaaaa taaaatccca ttttctgagg 120
aggaattcaa gccagctgca gaaatttgca taagtaacaa ggaaccaaat gttaattacc 180
aagacaataa ggaaaatgtc tccaggggca tgctcagagac ctttgtgaca gcccctccca 240
tcacaagccc agaggttttag gaagaaaaaa tagtttcgtg ggccaggccc aggggtccctc 300
tgctgtgtgc ggtctaggga cttggtgccc tgtgtcccag ccacaactaa aagaagccaa 360
ggtagagctt ggctgtgtgc ttcaaagggt ggaagcccga agccttggca gcttccacgt 420
gggtgttgag ctgcaggtgc acagaagtca agaaatgagg tttgggaacc tctgcctaga 480
tttcagaggg tgtatggaaa cacctggatg cccaggcaga tgtttgctgc aggggtgggg 540
cccttatgga aaacctctgc tagggcaata tggaagggaa atgtggggtt gaaacccac 600
agagttccta tggaggggac tgcctagtgg agctgtgaga agacagccac tgtcctccag 660
actggtagat cccccagaat aatagatcca ctgacagctt 700
```

```
<210> 1606
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 1606
acacctggat gccaggcag atgtttgctg caggggtggg gcccttatgg aaaacctctg 60
ctagggcaat atggaagggg aatgtggggg tgaaacccca cagagttcct atggagggga 120
ctgcctagtg gagctgtgag aagacagcca ctgtcctcca gactggtaga tccccagaa 180
taatagatcc actgacagct tgcactgtgc acctggaaaa actgcaggca ctcaacacca 240
gacctgtgaa acagccagga aggaggctat accctgcaaa gccagaagtg gagctgcccc 300
aggccatgga agcccacctc ttgcatcaga gtgacctgga tgtgagacat ggagtcaaa 360
gagatcattc tggagcttta agatacacct gcccactga atttcggact tgcacggggc 420
ctgtagcccc tttgttttgg ccaatttctc ccatttggaa tggctgtatt tgcccaatgc 480
ctgtatcccc attgtatcta agaagtaact aacttgcttt tgagtttaca ggcgcatagg 540
cagaagggac ttgccttatc ttgggtaaga ctctggactg tggacttctg aattaatgct 600
aaaataagac tttgggggac tgttgggaag gcattgattg ttttgaaatg tgaggacatg 660
```

agattttggga ggggccaggg gtggaatcat atggttttggc

700

<210> 1607

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1607

```

aagaagtaac taacttgctt ttgagtttac aggcgcatag gcagaagggga cttgccttat 60
cttgggtaag actctggact gtggacttct gaattaatgc taaaataaga ctttggggga 120
ctgttgggaa ggcattgattg gttttgaaat gtgaggacat gagatttggg aggggccagg 180
ggtggaatca tatggttttg ctgtgtctcc actcaaactc catcttgaat ccccatgtgt 240
tgtgggagaa accaggtggg agataattga atcacggggg caggtctttc ctgtgctgtt 300
ctcatgatag taagtctcac gagatctgat ggtcattata agggggaatt ttctgcaca 360
agctctcatt tgccaccatg tgagacatga ctttcacctt ccaccatgat tgtgaggcct 420
ccccagccac gtggaactgt aagtccatta aacctctttc ttttgtaa at tgcccagtct 480
tgggtatgtc ttttaacagca gtgtgaaaat ggagtaatac acagaactac agtatacata 540
gcttttctgc ccccaaaacc acatgagagt aagttgctga tctgatgtcc caacaccagt 600
atttcttaca aaacaaggac attttcaaca acaaaaatca ggaaactgat actgatatat 660
tattaccaca tggtcacaa atcccattca agttttgcca 700

```

<210> 1608

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1608

```

agtgtgaaaa tggagtaata cacagaacta cagtatacat agcttttctg cccccaaac 60
cacatgagag taagttgctg atctgatgtc ccaacaccag tatttcttac aaaacaagga 120
cattttcaac aacaaaaatc aggaaactga tactgatata ttattaccac atgggtccaca 180
aatcccattc aagttttgcc agttgttcca aaatgtgata agttaccatt aactcagctg 240
tggcatataa aataatgggt ctccaaagat gtccacattc taatcccttg aatttgtgaa 300
tgttacatta cacagcaaaa gagaattaac attacagatg gaactggggg gtcaatcact 360
tgactttaaa atagaaagat taccctggat tatttgaatg aggcaaagta tctacaaaaa 420
gtttagatgt gatagtagag gaggttgtgt gtgtacaggc aggggaatata cagaaactgt 480
acttttctgt caattttgtc ataaaccgga agctgatcta caaaataaag tttaaagtct 540
gttgaaaaaa atttaatatg ctcccttaaa gtagttagaa atgaccatca tcttataaga 600
cctaaaagac caacaatgaa cagacattca aatatcatat aatcacctat tttttctgat 660
gtcttctgtc ttatattaat atggtcactt cagcattctt 700

```

<210> 1609

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1609

```

tataaaccgg aagctgatct acaaaataaa gtttaaagtc tgttgaaaaa aatttaatat 60
gtcccttaaa agtagtagaa aatgaccatc atcttataag acctaaaaga ccaacaatga 120
acagacattc aaatatcata taatcaccta ttttttctga tgtcttctgt cttatattaa 180
tatggctact tcagcattct tttcattagc tggcacggta tattttttcc atccttttgt 240
tttaaaccca tctgtactat tataataaaa aacactgtta ttccctttac tttatttagg 300
gttttttggg tattgtcctc catttttctc atgtttttat ttttatgttt ttatttata 360
ctatgaacat agttataaga tttataataa gattttaagg ttcttatcta ctaattctat 420
catctattca tccctagggt acttctgtgg atgccttcct cactcagtc tacctaattg 480
cttttggact gaattaatca ggaatgaata actattcatc cattagttat gctgagagtt 540
tttatcatga atgagtatta aattgaaaag ctttttctgt atctattgat gctcatatga 600
tttttcttct ttattctatt actgtggcaa attatactga ttgttttttt ctttttctac 660
agcctaattc acttgtccca gtacgtcctt tagagcaaaa 700

```

<210> 1610
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1610
 aggaatgaat aactattcat ccattagtta tgctgagagt ttttatcatg aatgagtatt 60
 aaattgaaaa gctttttctg tatctattga tgctcatatg atttttcttc tttattctat 120
 tactgtggca aattatactg attgtttttt tctttttcta cagcctaatt cacttgtccc 180
 agtacgtcct ttagagcaaa aggattcagt tcagaattac actttgtatt tgggtggtat 240
 gtctcctttac tttccttcag cctgaaatag ttgctcagat tttccttgac tttcatgact 300
 gataattttg aaaagtacag accattatct tgcagaatac ctcccaaaat ttgggtaata 360
 tttcctcacg actagaatca gggtatgtat ctttggcaag aatattatac aagcgatgat 420
 gagttccttt tactgcatct catcagacag gacatcattt ccatttatct cattacggag 480
 ggtattaact tcaatccctt tttttatctt tttgagacag ggtctcactt tgtcatccag 540
 gctggagtg cagtggcatga acacagctca ctgcatccac gacctctgag tcataagcaa 600
 tcctcctacc tcagccccc cagtagctgg gactataggt gcatgccacc acaccccgcc 660
 aatttttgta gttttttagt agatgtggtt tcaccatggt 700

<210> 1611
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1611
 ttattttattt ttttgagaca ggggtctcact ttgtcatcca ggctggagtg cagtggcatg 60
 aacacagctc actgcatcca cgacctctga gtcataagca atcctcctac ctccagcccc 120
 caagttagct ggactatagg tgcattgccac cacacccgc caatttttgt agtttttgta 180
 gagatgtggt ttcacctagt tgcctagact aacttcaatc tcttgataaa ggtgtatctc 240
 ctagcttcac caaaaaattt ttctttacaa ttaattaata atttgagggg gagatgcaga 300
 gaccatacaa ctatctcata cttcatcaaa ctttcttcca ttagtttttag catctactgt 360
 ttcttacctg aatgaattat tattatgaca gctatcaaat acaggcatat cccatcttat 420
 tgtgctcttc agagggtttgt ggcaaccctg catctaacaa gtctatcggg gccatttttc 480
 caacagcatg tgctcacttt gtgtctctgt gtcacatttt ggtaattctc acaatatttc 540
 aaactttttc attattattg tatctgttat agtgatctgt gataagtgat ctttgatggt 600
 actactgtaa ttgtttgtgt gccacaaacc atccacatat aagaggtgaa cttaatccat 660
 taacgtgtgt gtccctgactg ctttactgac ctgccattcc 700

<210> 1612
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1612
 tgtgtctctg tgtcacattt tggtaatctt cacaatattt caaacttttt cattattatt 60
 gtatctgtta tagtgatctg tgataagtga tctttgatgt tactactgta attgtttgtg 120
 tgccacaaac catccacata taagagggtga acttaatcca ttaacgtgtg tgtcctgact 180
 gctttactga cctgccattc cgtctctctt cctctcctt ggaacctgat tgcctgagac 240
 acaataatat ggaaattagg ccaattagta accctacaac agcccctaag tgtttaagcg 300
 aaagaagagt caaacatctc gttttaaatc aaaaactaga aatgattaag cttagttgag 360
 aaaagcatgt caaaatccaa aacagggttg aagttaggcc tctttcatca gttagctgag 420
 ttgtgagggc aaaggaaaag ttcttgaata aaattaaaag tgctacttta gtgaacacac 480
 aatgataaag aaagtgaac agccttactg ctgatatgga gaaagtttta gttagttggg 540
 tagattaaac cagccacaac attccctcag gccaaaacct aatccagagc aaagcccaa 600
 ctctctgcaa ttctatgaag gctgagagaa gtaagaagc tgcaaagaaa agttggaagc 660
 tagcaatggt tggttcatga ggcttaaaga aagaagctgt 700

<210> 1613
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1613
 cagccttact gctgatatgg agaaagtttt agtagttggg atagattaaa ccagccacaa 60
 cattccctca ggccaaaacc taatccagag caaagcccca actctctgca attctatgaa 120
 ggctgagaga agtaaagaag ctgcaaagaa aagttggaag ctagcaatgg ttggttcatg 180
 aggcttaaag aaagaagctg tctccacaac ataaaagtgc gaggtgaagc agcaagtgtc 240
 gatgcaggag ctgcagcaag ttatccagaa gatctagctc aggtaattga tgaaggtagc 300
 tacactaaac aacagatttt caatgtagac aagaccgcca tccattagaa cttaacctgc 360
 aatatcctaag gtatgcctat agtaattttc tagttccatt attcctttta tattagttaa 420
 gggtctagta taaggggctt tgctctttct ccatttcccc cccatttttc ttgtatcagt 480
 ataaactcat agattccctta cttgggctcc aatccccac caggctgtca cagcttgttt 540
 ttgtggatgc cttcctcact cagccacacc taacggattt tggactgaat tattcaggaa 600
 ttaatatcc tccatcagtt atgctgaggg tttttaccac gaaagactat taaattgaaa 660
 tgcgttttct gtatctattg gtgttccatg gatatttctt 700

<210> 1614
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1614
 acttgggctc caatccccc caggtgtgc acagcttggt tttgtggatg ccttcctcac 60
 tcagccacac ctaacggatt ttggactgaa ttattcagga attaatatc ctccatcagt 120
 tatgctgagg gtttttacca cgaaagacta ttaaattgaa atgcgttttc tgtatctatt 180
 ggtgttcata tgatatttct tttttattct gttaatgtgg caaattatac tgattgggtt 240
 cttttctacc gtatctctct aagcattatc tagctgcacc ccacatattt ttacatgata 300
 tatttttgat tcatttaaag tattttttct aatttccctt gtgattcctt ttttgatcca 360
 tgtaatatct agaagtatgc tgcttaattt ttcaattatt tggggatttt ccggatactt 420
 ttctgctact gattctgggtg tagtcacaga atacattatc tatgacttta ctccttataa 480
 atttattgac acttggttta cagtccagaa tggttggtcta tcttacagaa tgttccacat 540
 gcacttgaaa ataaagtgtt ttctgctatc gttcaatgga atgtcctata aatgtcaatc 600
 aggttgattt gggttaacagt gttgttaaaa ttttccatat acttactgat atttcatctg 660
 cttcttttct ctactgagag ggggtattgag atctccaatt 700

<210> 1615
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1615
 acagtccaga atgttggtct atcttacaga atgttccaca tgcacttgaa aataaagtgt 60
 attctgctat cgttcaatgg aatgtcctat aaatgtcaat caggttgatt tgggttaacag 120
 tgttggttaa attttccata tacttactga tatttcatct gcttcttttc tctactgaga 180
 ggggtattga gatctccaat tgaccttgca gatttggtga tttctccatt ctgttccata 240
 ggtttctgcc tcatatattt ggaagtttta catttagaat ttttgtgtcc ttgcattaaa 300
 ttgacctctt ctcatcataa aatgtttcat tttccctagt tctgatgtct tctgtctggg 360
 attaatatgg tcaactcagc tttcttttca ttagctggca cagtatattt tttcaatcct 420
 tttgctttta acctatttgt accattatat acaaacaccc attattccgt ttatttgggt 480
 ttttaaaatt attttccatt tttctcatta tgcttatggt ttcctttata tctatgagca 540
 tatttataag agttataata aggttttagg gttcttatct actaattcta ttatttcttt 600
 cttttggat ctgttcatat gattgatttt tctctgatta tgggtcctat ttccctgctt 660
 ctttggatgc ctgttaactt ttgattgtga attttgtatt 700

<210> 1616
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1616
ttttctcatt atgcttatgt tttcctttat atctatgagc atattttataa gagttataat 60
aagggttttag ggttcttata tactaattct attatttctt tcatttttga tctgttcata 120
tgattgattt ttctctgatt atgggtccta tttccctgct tctttggatg cctgttaact 180
tttgattgtg aattttgtat tgttgggtga aagattttgt tttattcctt taatgagtac 240
tgaactttgt tctggcatgc agttaagttt tttgagcaac aaacagttgg attcctttga 300
acctttgttg ttaaggtctg taaaggggga cctagagcag cttttactct aggactaatt 360
tacaatcatt ttcgacattt tccttcagcc tcaaaaactt tctttaacaa ttactatagt 420
gcaagcctgt ctgtaacaaa ttacctctac cattttgttt taaatctgaa aatgtcctcc 480
atttcacctc caattttcaa agaataattt tgctggatat aggagttaa cttttattcc 540
ctagcacctt aaaggtgctg tcccactgtt ttcaggttta gattgctttt cctaagaagt 600
aatcatactc attattcttt ccctctgcat gatgtgttac ttttctcc acctgttttt 660
aagattttat atttagtttt gaacaatttg aatgtaatgt 700

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<210> 1617
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1617
aagaatattt ttgctggata taggagttta acttttattc cctagcacct taaaggtgct 60
gtcccactgt tttcagggtt agattgcttt tctaagaag taatcatact cattattctt 120
tccctctgca tgatgtgtta ctttttcttc cacctgtttt taagatttta tatttagttt 180
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cttcttgggg ctttttttat agtttttatt actctgttta gatgtcttcc cacacattat 300
gtccatcttt tcctttaagt ccttgagctt atctatcata gctttaaaaa aatccggctg 360
ggcgtcgtgg ctcatgcctg caatcccagc actttgggag gccgaggcag gcggatcaca 420
aggtcatgag ttcgagacca ggttggttaa tatggtgaaa ccccgctctt actaaaaata 480
aaaaataaaa aaataaaaaa tcagccgggc atggctcgtg gcacctgtag ttccagctac 540
tcgggagggt gaggcaggaa aattgcctga acctgggagg cacagggtgc agtgagccga 600
gattgtgcca ctgcaactca gcctgggaaa cagagtgaga ctccatctca aaaaaaaaaa 660
tttaaaaaaa atttaaaaaa aaatccttgt ctgctaattc 700

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<210> 1618
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1618
atcagccggg catggtcgtg ggcacctgta gttccagcta ctcgaggagg tgaggcagga 60
aaattgcctg aacctgggag gcacagggtg cagtgaagcc agattgtgcc actgcactcc 120
agcctgggaa acagagtgag actccatctc aaaaaaaaaa atttaaaaaa aatttaaaaa 180
aaaatccttg tctgctaatt ccaaaatctg tcatctctgg atctgcttct actcactttt 240
cccttctcag gtatagacca cattttcttt tgcatattcc cattaatttt taaaattata 300
ttctgcacat tgtagatgcc acattgagag cttcgactga gtaggcttcc tttaaaaagt 360
cttgagtttt gttctagcag ccagttaatt tactggcaac tcagcttgat tctatcaaaa 420
cctggtttca gtatttggtt ggtgggctt tctgaggtct caagtgaaca ctggagagtt 480
ccacaaggtc actccattct ggcacatcag gactcaaagt tctcacagca ttgtgtgacc 540
tttagaatac aacactcaca gccccacttg ccaccttggt agttgttctc tactagccct 600
cattaaatct catcctatac atggatagct tagtatttgg ccaaagactc aaaagatcct 660
tatgcagatt tctggtacac catctctgca caacaacct 700

```

```

<210> 1619
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1619
tggcacatca ggactcaaat gtctcacagc attgtgtgac ctttagaata caacactcac 60

```

```

agccccactt gccaccttgg tagttgttct ctactagccc tcattaaatc tcatacctata 120
catggatagc ttagtatttg gccaaagact caaaagatcc ttatgcagat ttctgggtaca 180
ccatctctgc acaacaaccc tacttcagta ctctgctcta caatttccag tcacttttagc 240
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tactggattc caattccatg tgccaaagtt tacaaagtg tcccaggtag aaagctggaa 360
tgaatgcaga atcacctttt atgtttctcc tttctcaaag aatatagccc tgcattatct 420
gtgggtccaat gcctgaaaat agttgtttca catacttttc cagtgttaca gttattcatc 480
ttgcgagtat aagtgtgata ctcatatttt tgttgcaacc caaatcacaa gtactggatt 540
ctgcttttaa aaaaaaaaaa cattaaagat cttttgctga ctttttaatg acttcttggc 600
atgaatttaa ctttgatact aattcaatta atcattcaac aaatatttac aggcactttg 660
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```

<210> 1620

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1620

```

actcattatt ttgttgcaac ccaaatcaca agtactggat tctgctttta aaaaaaaaaa 60
tcattaaaga tccttttgctg actttttaat gacttcttgg catgaattta actttgatac 120
taattcaatt aatcattcaa caaatattta caggcacttt gtaggtttca tgtgttgttt 180
tggttcaaac tgacagactt tttttccttt gaagcatgca agatagggtta aatgtagaca 240
aggtgtgcta aacaccatca taagcacagg ataatctggg agtaciaaagc aggagcatct 300
aacctatcta ggacagctca ggggaaggtag tctaaaggaa gtgaatgttt aaatgaaact 360
tctaccaatc tgggtagaag ttaaccagat gagaagatct gagtcactac gtgactacag 420
aaatttcaga atgtttggca tagaaagtag ggaaaagaag agtatcaacc taaaatgttt 480
cagaaattaa cagccttcta aacttggtta ggcttttggg ttttaagggtga tggcactaaa 540
tggtttgaac caggggaatt gcatgaagta gatatgcatt ttagaagaat tattttgtct 600
ttaggggtgaa cagagtgaac tgagacaaga catgaagcag ggaataatcg aggagagata 660
ggaaggcagc ctggacaagg gttgaggatg gaggtaaaga 700

```

<210> 1621

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1621

```

aaacttggtg aggcttttgg atttaagggtg atggcactaa atggttttgaa ccagggggaat 60
tgcatgaagt agatatgcat tttagaagaa ttattttgtc tttagggtga acagagtga 120
ctgagacaag acatgaagca ggggaataatc gaggagagat aggaaggcag cctggacaag 180
gggttgaggat ggaggtaaag aggaagaagt cgctgaactg gctactcaga aacagcctct 240
taggatacag acatttcaat gaggaggtgg ccagaggtca gtataaagct ttgaaagccc 300
agacttgact ctgtcatttc atcataagga gagcattctg ctgaagggtt aatccacagt 360
agttgaacta aggagctatg tatttatgca gcaaaaaatt aatttgttta cagtgttcct 420
gagtagcaag ccaaatacac atactctttc tccatggcat ctacttttcg aggacctagc 480
taccgggcaa acatcaaatt agtaaataga attcaagcaa gggctatctt gtagcatttc 540
tatcactaca ttgttggtga cactcttatt gaagaagagt cacttcaaaa gtgaagtgt 600
atttagattg aattattaaa acaaagaaat gtgtattata cttcagaaca atttctatca 660
aaaagaataa aataaaaaat aagaaaaacc cttctttctc 700

```

<210> 1622

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1622

```

tagtaaatag aattcaagca agggctatct tgtagcattt ctatcactac attgttgttg 60
acactcttat tgaagaagag tcacttcaaa agtgaagtgt aatttagatt gaattattaa 120
aacaagaaa tgtgtattat acttcagaac aatttctatc aaaaagaata aaataaaaaa 180

```

taagaaaaac	ccttctttct	ccaaacaatc	tagttgtaaa	accattaggt	ggggcagaag	240
aaggtgcgtg	ttcatgccag	ctgaagggtta	aggcacctat	aactcagcct	agagtggaa	300
aaatgagctt	gagtaggctg	agaagggtac	cctcatgggg	aaacagcttg	gcatagacag	360
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gggggatcca	gctcagaagc	agagtgtcca	cgccagggaa	tagtgtgggg	attcagagcc	480
tgataatgat	gagaaggggg	cccacctgag	ggttaagtcg	gctaggggga	agtcagatca	540
tagagtagag	acggcattct	tgcaagaagc	cacctgggtat	aaagtatcag	actgagaaga	600
gtgaccctct	cagtgcacac	gatctgggga	gattcaggtc	agagtacagt	gggcatccct	660
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<210> 1623

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1623

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ttgcaagaag	ccacctggta	taaagtatca	gactgagaag	agtgaccctc	tcagtgcacac	120
agatctgggg	agattcaggt	cagagtacag	tgggcatccc	tgcaagaggc	cacctgggat	180
cagagaaggg	cggggaatga	ggacatgatc	tagcaccaga	agtcaaagtg	tatacagaat	240
ggaaaagcat	cccattgagg	agtcagaatg	aagagtcaag	agcctacgca	ggataaggaa	300
gactggcata	cagggatgga	gtcagcccat	atgaggtgct	agggccctga	tgcaacgatg	360
agacattgat	tacatacagg	aggattgatt	aagtcaatat	attaagatta	tggttgatata	420
agtacattct	tgactgcta	taaaaaaaaa	acctgaaact	gggtaactta	taatgaaaagg	480
aggtttaatt	ggctcacagt	tccacatgct	atacaggaag	caagactggg	gagacctcag	540
gaaacttaca	atcatggcag	aaggcaaagg	ggatgctggc	acatcttaca	tggtctggagc	600
agaagaaaaa	gagtaaaggg	ggaattgtga	cagattttta	aacaaccaga	tctcatgaga	660
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<210> 1624

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1624

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gggaattgtg	acagatTTTT	aaacaaccag	atctcatgag	aatttactca	ctatcatgag	180
aacagcaagg	gggaaatcta	cccccatgat	ccaatcacc	caaccaggct	cctcctgcaa	240
caagtccctgc	agacttctgc	ctggacatcc	agacgtttcc	atacatcccc	tgaaatctag	300
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gaagctgcca	aggcttacag	cttgagcctc	ctggagcagc	agcttaagat	atatctgggg	420
cccttttagc	catggctgga	gctggagtgg	ctgaaacaca	gggagtagtg	tcctgtaatg	480
ggaggggctg	ctgtgaagat	ctctgaaatg	ccttctagcc	attttcccca	gtgtcttggc	540
tattaaacat	tctgctcctc	tttacttatg	caaatttctg	cagccggctt	gaattcctcc	600
ccagaaaaatg	ggtttttctt	ttctaccaca	tgatcagggt	gcaaattttc	caaactttta	660
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<210> 1625

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1625

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tttctaccac	atgatcaggg	tgcaaatTTT	ccaaactTTT	atgctctgct	tcccttttaa	180
atataagttc	cagtttcaga	tctcttttgc	tgacacatat	agcatatact	gctagaagca	240
gccaggccac	atgttgaaag	ttttgctgcc	tggaaatttc	ttccaccaa	tactctaaat	300

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catctctttc aagttcaaag ttccacagat tcctagagca ggggcacaat gctgccagtc 360
tcttttgctaa agcatcgcaa gagtgcacgt tactccagtt ctcagtaagc tccttatctc 420
catctgagac ctctctagcc tagacttcatt tattcatatc actgtcagca ttttggtcaa 480
aataatttaa caagtctcta ggaagttcca aacttttcct catcttcctg tcttcttttg 540
agccctccaa actgttccaa cctctaccca ttaccagtt ccaaagtcac ttccacattt 600
tcagctatct ttatagcaat accctactct cggtagcaac tttctgcatt agtctgtttt 660
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<210> 1626
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1626
aggaagttcc aaactttttc tcctcttctt gtcttctttt gagccctcca aactgttcca 60
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taccctactc tcggtaccaa ctttctgcat tagtctgttt tctcactgct acaaagaaat 180
acctgaaact gggttaaagaa aagaggttta attggctcac ggttctgcag gctgtacagg 240
aagcatgact gcggaggcct caggaaactt acaatcatgg cagaagggtg agaggaggct 300
ggcacatctt acacggccag aacaggagga agagagtga gggggagggt ctacacactt 360
ttaaacaatc agatctcatg agaacttact atcacaagaa ctgcaagggg gaaatccacc 420
tccatgattc aatcacctcc caccaggccc ctctccaac aatgggggtt acaatttgac 480
atgagatttg ggcagatata aattcaaacc atatcggtac tcaattcctt gcttctcatt 540
accttcatag tatttaccaa atccccaacc atggataaat gcaactttcc aatttattca 600
gtgcttgggc tgaacaagac tgaaaaaaca tacataacca tgatggctgg tctctcttta 660
aattttcaca aaaccctga cactgtcatg taatcccaga 700

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<210> 1627
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1627
aaattcaaac catatcggtt ctcaattcct tgccttctcat taccttcata gtatttacca 60
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ctgaaaaaac atacataacc atgatggctg gtctctcttt aaattttcac aaaaccctg 180
acactgtcat gtaatcccag aacacctccc ttaatcaatt tacttactga ggtaaaaaac 240
tattctatgt tttctaggct caatcaaccc cttctgccac tctcaaccag taacttcatt 300
tcttttttca tttgagaata taaaagcaat caaaagagaa cttactcatt ctttcaccac 360
taaagtttcc aatcatataa tctgcctaaa tccctgttac aatggataac agtggatggt 420
cctggtatcc cctccagttg ggcaatggat cttatctctt tttgcctact caagaattgt 480
gctctgtaat tatccctctt cctgcatcaa tgtttctgtc cagagtcatt cccaacagtc 540
tacaaatgct ctagtatatc ccacttttaa aaacacaata aaacaacaac aacaaaactt 600
tcctttatcc tgtaaacctc ttcagctact gtcttatgtc tgtgtccact tacaacaaaa 660
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<210> 1628
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1628
tcctgcatca atgtttctgt ccagagtcatt tcccaacagt ctacaaatgc tctagtatat 60
cccactttta aaaacacaat aaaacaacaa caacaaaact ttcctttatc ctgttaacct 120
cttcagctac tgtcctatgt ctgtgtccac ttacaacaaa attcataaaa taattctggt 180
tcacttcttt atcttttctc tgattactgg aactggtttt gtcaagagca acaacggact 240
ccacatatcc aaacactcct cttctttctt gagctatcaa catatttgac acagttgatg 300
atttctctct tataacactt tattctcttg tcttccaaga caccactctc tcagttttcc 360
ttacttaacg aattgctctt ttactagctt ctctctctct tcccaatttc taaaggcatc 420

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atcggtctcta gtgctctagg ttaaggtctt gaatatcttt tccatattca ctctctatatt 480
gatctcatca ggctttaaaa attaactatg tggaactacc tgtatacact aatgattcct 540
aattttcttt ctccagtcct aatctctttc ctgaacagac ttctgcttgc caactggaca 600
tctccttttg atatttaaca catatcccta atttgcatgt ttaaaccaga tccacccaaa 660
tattttttcc atagtgcctt tattataata aatgacaaaa 700

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<210> 1629
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1629
aattaactat gtggaactac ctgtatacac taatgattcc taattttctt tctccagtc 60
taatctcttt cctgaacaga cttctgcttg ccaactggac atctcctttg gatatttaac 120
acatatccct aatttgcatg tttaaaccag atccacccaa atattttttc catagtgcct 180
ctattataat aaatgacaaa actattttat ccagttgttc aagccaaaaa ctttggagtt 240
atgcttgatg cttttacttc ttctatacac cattatccaa accattagct aatttggttg 300
ttctatcttc aaaatacatc cttaaaccac acatttctca ccattctacc actaccttaa 360
tgaagccacc tatatttctc acctggatca tcacaaaatc ttcttaattt gtctctgccc 420
tatctttgct acctacggac agtcttctct cagcaaccag actgagcact ttaaaagata 480
aatcagacca tgtcctttcc ctgctcaaaa tctcccaata gacagattcc tatttaataa 540
agactagaat ccaaggacct acaggatcta gtctctccta tctttctaac tttattttct 600
accattttcc cttgttcttc cttgtcattc cttgaacaca ccaaccatgc tcagggactc 660
tgcaactaga ctgaatgaaa tgttttcttc ccagattttg 700

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<210> 1630
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1630
cctgctcaaa atctcccaat agacagattc ctatttaaat aagactagaa tccaaggacc 60
tacaggatct agtctctcct atcttttcta ctttattttc taccattttc ccttgttctt 120
ccttgtcatt ccttgaacac accaaccatg ctcagggact ctgcaactag actgaatgaa 180
atgttttctt ccagattttt gaacaactca ttccctcttg aatgaatatt taaaagacaa 240
ctctgattac tctgtgagaa agagagagct tcaagaatga gggcaggaaa ataagttagg 300
agacgattct aatagttgaa agggaatatg atgggtggctt ggaacaggaa cacagtggcc 360
gatggaatga agtagacaaa ttctgacata ttttagaagg gtaggtaaga attgcttatg 420
tagggatgat gacatcattt acaaaactgg cgggggtggg gtactgaggt agtaacagag 480
ctgagaatgt aggcaggaag tgggtacaag gaatcaagag ttctgttttg aacatgttaa 540
atgtgagatg ccatttaaat atccaaacaa acagctagac atatatgtct agagttaagg 600
aaagaagtca ggggtcaaata tataaatgtg gtagttacca gcacataacc agtacttaaa 660
gccgttagac tgaataagct catccaagag agatagggaa 700

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<210> 1631
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1631
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atataaatgt ggtagttacc agcacataac cagtacttaa agccgttaga ctgaataagc 180
tcatccaaga gagatagggg agagggttaa tgcaaagatg gccactctt gtgtcacact 240
ggctttttag aatcaagcag gttgggtgca gtggctcaca tctgtaatcc cagcactttg 300
ggagactgag gcaggtggat cacctgaggt gaggaggttg agaccagcct ggccaacatg 360
atgaaacccc gtctctgcta aaaatacaaa aattagctgg gtgtgggtggc acaccgtaa 420
tcccagctac tcaagaggct aaggcacaag aatagcttga acctgagaga cagaggttgc 480
agtaagccaa gatcatgcc aactgcactc cagcctgggc aacagtgcaa gactccgtct 540

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cataaaaaaa	aagaaatcaa	gcaaaggtag	acccaacaaa	gactaaagta	tagccagtga	600
gaaagaagga	aactatgaga	ttatagtgtc	acaaaagcca	agaaggaaat	atatttttaa	660
aaagaaatag	ccaactgtgt	caaatctgac	aagatgttaa			700

<210> 1632
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1632						
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attatagtgt	cacaaaagcc	aagaaggaaa	tatattttta	aaaagaaata	gccaaactgtg	180
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ttgggtggat	aagagggatc	aatgagatct	agcctccaag	gagctgggtc	atgttttagat	600
aaacaacaaa	ataatttatc	caagaaaaaa	cagtatgggc	acgtatgtac	agtagtttcg	660
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<210> 1633
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1633						
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caatgagatc	tagcctccaa	ggagctgggt	catgttttaga	taaaacaaca	aataatttat	120
ccaagaaaaa	acagtatggg	cacgtatgta	cagtagtttc	gtagatgtga	tgattggaaa	180
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attaaggaaa	gtagatttga	gattttaagga	gagagaagg	gggaaacagt	cattatggag	300
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ggtcattttaa	taaaactacag	gatataaact	caatggaata	caatttacta	attaaaaaca	480
ataaaataga	agtataaaat	tatatattaatg	tgctaaaata	tgtatgtgtg	aatgcattta	540
tgtgctcacg	tagacatgg	tttataagca	gaaaaaagct	tggaagaata	cgtaacgaaa	600
acatagtggg	actgggggtc	gggagcggct	agagagggc	atgacccccc	taaaaacgaa	660
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<210> 1634
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1634						
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ttttataagc	agaaaaaagc	ttggaagaat	acgtaacgaa	aacatagtgg	aactgggggtc	120
agggagcggc	tagagaggca	catgacccca	ctaaaaacga	ataaaactata	tatatatgtg	180
tgtgtgtgtg	tgtgtgtgtg	tgtattgttg	tttcacttct	atatgtgcaa	aaacaaacct	240
atagaccaaa	ttctatgtcc	tttacacata	cgaatagtat	aaacaccata	attcaaacaa	300
tgattcatac	acaaagattt	ttatcatgat	actttttttt	ctagacagtg	ggctctcata	360
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aaaaactgaa	agcaatctaa	tgtaagaaaa	ttacataact	actaaagtgt	tcatgcactt	540
taagtagaaa	atatctcaga	catacaaagc	agtataaaga	ttaaaagaaa	cacttacata	600
ccaaacaccc	agatgatagt	tttttaatga	cataggactt	catgataatg	ttaagtgggg	660

aaaaaaaccc agaatacaaa attaagagta tgacatcagc

700

<210> 1635

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1635

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ttttttaatg	acataggact	tcatgataat	gttaagtggg	gaaaaaaacc	cagaatacaa	180
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aaatacaaaa	ttgtactagc	accattacct	tgggatcgtg	tacaaatgta	tttccttttg	420
ttccaggagg	gaaatctcca	gtacaaatat	attttagaca	ttcaatgatg	gtctaaagaa	480
atagaaaatt	acattatttc	gttataagag	aaccacagaa	gtttaccata	aaatatgaat	540
tcattacaaa	aatattat	atcatggaaa	ctataaaaaga	taaaatctga	cattataaaa	600
cctgtaataa	aaatatgatt	aagtgttaat	gctgtaagtt	cacagaaatg	ctatataact	660
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<210> 1636

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1636

cgttataaga	gaaccacaga	agtttaccat	aaaatatgaa	ttcattacaa	aaatatatt	60
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taagtgttaa	tgctgtaagt	tcacagaaat	gctatataac	taagaagtta	tcctaatatg	180
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ctctcgacct	cctgggctca	agcaatcccc	cagcctcagc	ctcccaaacc	gctcggatta	480
cagtcgtcag	ccaccatgcc	cagcctgtag	aaactttttt	tttttttttt	ttttttttgt	540
ggggggagag	agtctccctc	tgtcacccag	gctgggtgtag	tgcaatggcg	tgatctcggc	600
tcactgcaac	ctccacctcc	ccggttcaag	cgattctccc	gcctcggcct	ccccagtagc	660
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<210> 1637

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1637

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cccggttcaa	gcgattctcc	cgctcggcc	tccccagtag	ctaggattac	aggcatgcgc	180
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gctgggtctc	aactcctgac	ctcaggatgat	ccacccgcct	cggcctccca	aagtgtctggg	300
attacaggcg	tgagccaccg	tgcccagctg	tagaaactat	ttttaatctc	cattttataa	360
atgagaaaa	taaggcacag	agcagtgagg	tcactcgcaa	acaatcagac	aactaataaa	420
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ctcttcacaa	atccttcctt	tagactcttc	tccctgctat	actgacatcg	tcttgctttt	660
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<210> 1638

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1638

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ttagactctt	ctccctgcta	tactgacatc	gtcttgcttt	ttcttaagcc	actattcctg	180
accagaatgc	ctcttggtta	ttctttccat	tcaaatattat	aaatattccc	acggctttaa	240
aaaaaaaaaa	aagtcagtcg	tgacccaacg	ttaaattttt	gactgagttt	taagaagaga	300
agttttccaa	gttaagcccc	actacatcag	ttacattttg	aatttattta	ttttccatgt	360
attatgtctg	gacagttggc	atacttggaa	actctttagt	catgtatgta	tcattttata	420
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ctgagtgaag	ggcgacagct	cccggtatcg	tgggattctt	aagtaaacct	tgtccccagg	600
ccagggtccg	acatccttcc	gggactgctt	caggcaaaact	cctaagggtcg	ctgtagcctg	660
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<210> 1639

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1639

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cgggactgct	tcaggcaaac	tcctaaggct	gctgtagcct	gcaggccaca	ccctaaggca	180
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aggaggatcc	gggcggggag	cgaggccaca	ggactgccaa	aagatcctgc	cagccaacag	600
cgggagagag	ggggcggggg	atggagcctt	tcctcccaca	ccagctgctt	tccccgccgg	660
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<210> 1640

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 1640

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ttggaagggg	agaccaagac	ctgtgacgga	tggcgcttcc	caaagcttga	tcctgggact	540
cctggaatgg	gggtagtgg	gggtggatt	ggagaccag	gaagcgggg	cagttcatgt	600

caaaactatt ttccttttca ttctcattct ctctctaacg ttcgtgtagt aatttccagt 660
gatcacataa catgtgatga cgccattgca gtggcggtta 700

<210> 1641

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1641

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gcaatagata tcttttaaaa taagggaaaag agaagttacc tgtctcagaa gtaactgaga 480
atattgcttt cttggaaaca aacttaatgg agggatatca catttaaggg cctagagaaa 540
catacataaa aattactgaa acaatagtgg aggacattta aatgaaacac aaatttggaa 600
ttactgtagt ggtataattt gcctctgcct gccttggaaa aatgtaggaa atgtttctcc 660
agtcatacaa tcccaagcaa ataatttaca gaaccttaata 700

<210> 1642

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1642

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tgctctgcc tgctttggaa aaatgtagga aatgtttctc cagtcataca atcccaagca 180
aataatttac agaacctaat acataaatgt atgtgccaaa ggatgcaagt ggggaagacc 240
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gtaaaatata cataaaattt actgtcttgg ccaggcgagg tggctcacgc ctgtaatccc 480
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gcgccgatgg tcccagctac tcaggaggct gaggcaggag tatggcatga acccgggagg 660
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<210> 1643

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1643

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ctcaggaggc tgaggcagga gtatggcatg aaccggggag gcggagcttg cagtggccg 180
agaccgcacc actgcactcc agcctgggca acagagcgag actccgtctc aaaaagaatt 240
tactatctta accaagtgtg catttcagtg gtgttaagta tactcacgta caaccgtcac 300
cacctttcaa cctctacaaa tcttttctact ttgcaaaaca aactacccat taaacaataa 360
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ctcatttcac ttataatgtc ctcaagggtc atccatgttg cagctcagtc cccaaccct 540
gggtcactga ccagtatgca tacctggcct gttaggaacc tgggtggcaca gtaggagggtg 600
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ttctcatagg agcacaaaacc gtattttgaa ctgcccata 700

<210> 1644
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1644
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 ttaccaccgc agctgggct cagatcagt ggggcattag attctcatag gagcacaac 180
 cgtattttga actgcccag agaaagatgt aggttgcccc atgcaaggga tctagcttgc 240
 ccattcctta tgagaatcta atgcctgatg atgtgaggtc gaacagtttc atcccaaac 300
 catcacccca ctctgtctg tggaaaaact gtcttccgtg agactgggtcc ctggtgcca 360
 aaagggttggg gaccactgta gcatatatca gaattcagggt cgtttttaag gttgaataag 420
 attcattaca atacacatca cttttgctt atccatctat tgatggacat ttgggttact 480
 ttcacatttt agctattgtg aatagtgtgg ctatatatat tgggtgtaca atgtcacttc 540
 tggaccctgc tttcaattct tttgggtata taccagaag tgggaattatt agatcataca 600
 gtaattcaat ttttaattat ttgaggaact gccatactgt tttccacagt ggttgtacca 660
 tttgacattc ccaccaatag tgcataaggg tttcaatttc 700

<210> 1645
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1645
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 tttgaggaac tgccatactg tttccacag ttggtgtacc atttgacatt ccaccaata 180
 gtgcataagg gtttcaattt ctacatatgc ttgccaacac ttgttatttt atgttttttt 240
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 ataattatta gtagcatcat ttcattgtgt tattggccat ttgtgtatct ttgaataatt 360
 gactattcaa gtggagactt tttttttttt tttttttgag atggagtctc actctgtcac 420
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 ggctaatttt ttgtattttt agtagagacg gggtttcacc atgttggtca agctgggtctc 600
 gaactcctaa ccttgtgatc caccgcctc ggctcccaa agtgcaggga ttacagggtg 660
 gagccactgc gcctggccaa gaccattttt taagtcagat 700

<210> 1646
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1646
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 tagtagagac ggggtttcac catgttgggtc aagctggtct cgaactccta accttgtgat 120
 ccaccgcct cggcctccca aagtgcagg attacagggt tgagccactg cgctggcca 180
 agaccatttt ttaagtcaga tttattgaag cataattaac atacagtaaa attcaccctt 240
 ttccagggtg caattccatg tgttttgcca aatataaaca tttgtgtaaa ccaccaagac 300
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 ccggccacca ccaagaccat ttaaataaat actgtggaga cttggatatc agtaggaaga 660
 aaaaagcaaa tctacacttt actttactta ccactgtaag 700

<210> 1647
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1647
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 tttaaatgaa tactgtggag acttgatgat cagtaggaag aaaaaagcaa atctacactt 180
 tactttactt accactgtaa gttctggtgg ataaaatttc agaaagatat ttcgggaagc 240
 aataaaagaa gaagcaagaa atgtaattac ctctactttt aaaggggaat tttatgaccc 300
 aaagtagcat aagaaattag caatcactga gataagatat tgctcgtctc tggcttagc 360
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 aacttgaatc taatcatacc tttagatgta actttcagtt cacaggaatt acaaggatta 480
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 actggcacag gctctcagga gatcattatc attaaagcaa agactattgt agatttttaa 600
 agacttatta aaaaacattt tgttgcaa atagagattt gagatacata ccaccccaat 660
 ggaatgcatg gtcctagttt ggaaactggg tttgccatag 700

<210> 1648
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1648
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 ttgttgcaaa ttaagagatt tgagatacat accaccccaa tggaatgcat ggctcctagt 180
 tggaaactgg ttttgccata gatgtgtgaa ggaaatttgg gagataagta gggaaatttc 240
 aatgtagact ggaaattaga taataaaaaa attctctgag gcaggcggat catgaggcca 300
 ggagattgag accatcctgg ctaacacggg gaaaccccg ctctactaaa aatgcaaaaa 360
 attagccggg cctggtggca tgcacctgta gtccatagcta ctcaggaggc tgaggcagga 420
 aaatcgctga acccgggagg tagaggttgc agtgagccaa gatcacgcca ctgcaactca 480
 gcctgggtga cagagcagga ctctatctca aaaataataa taattcttgt taatttcatt 540
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 aagtattagt gatagtgtgt catgttgtct gtaattttaa atacttcaga aaaaaaatag 660
 tgagttgaag gaaaaaaatg gacatgccaa ggtaaccagg 700

<210> 1649
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1649
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 tcatgttggtc tgtaattttaa aatacttcag aaaaaaataa gtgagttgaa ggaaaaaaat 180
 ggacatgccca aggttaaccag gttccattac aaaaaaattt caactttgta acaatggaaa 240
 ctataaaaact aagataaaaag ctctaggatt ggggtggaaa agatttgtaa tcaaaatgat 300
 taatccctaa aataaaaagg caaatcagtg aagtcctcac ttcttagtaa actactactt 360
 ccaaaaaata tttagtttca ctggtgctaa aattaatgaa ataaaaaata aaactactat 420
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 ccgagtagct gggactacag gcgtgcacca ccaagcccag ctaatttttg tatttttagt 660
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<210> 1650
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1650

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acagagtctc gctctgttgc caggctggag tgcagtggcg caatctcggc tcaactgcaac 60
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agttcaagtt tgcagggtgc tggagctttt cccatcagct caggggtgcga ggtgggcacc 660
aacctgaac aggatgccat tccatcacag aacacacaca 700

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<210> 1651

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1651

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ctggagcttt tcccatcagc tcagggtgcg aggtgggcac caacctgaa caggatgcca 180
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caattactgt gattgctggg aaatttaggc atatgtctta ttctgtgct ttttctttgt 600
ttctttgtct ctttctctgc tttgtagaat atccaagctt tctttattcc ttgttttact 660
ctactgattt ggaaaataca cattctattt ctattctttt 700

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<210> 1652

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1652

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ttatagtatt tgccttttaa taaatgactt tcatctgttt tcaattactg tgattgctgg 60
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ctttgtagaa tatccaagct ttctttattc cttgttttac tctactgatt tggaaaatac 180
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ttataaattg taaaaccctg tgaaaatata agagttattt ttttctggcc aggcgcattg 660
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<210> 1653

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1653

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gcaaaacctt taaagcctgg tgctaattgga ctttcagaga aagaaatata tctcctggtg 60

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aacaacccca	gtgcctaaaa	gttgggaaat	ggtgatggaa	actatggtac	atcagtttca	660
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<210> 1654

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1654

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ctaatagaga	taaaagtttt	agggcaaaaag	gatggatgtt	acccgccaat	gtaacttttc	660
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<210> 1655

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1655

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tagggcaaaa	ggatggatgt	taccgcgcaa	tgtaaacttt	caatattaat	caaagtgcTt	180
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<210> 1656

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1656

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cctgggaggc	ggaggTtgca	gtgagccgag	attgcaccac	tgccctctag	cctgggtgac	180

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cattgaaaca attatgagct atatgtacat ttaagaaaga ttcataaaaa caagtaagat 480
aacttaccba actattccag ttgaagggtg aagatggctg gagtttatcc cggtagctca 540
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<210> 1657

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1657

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gttgaagggt gaagatggct ggagtttata ccggtagctc aagggtacaag gtgagcacca 60
atcctggata gggcgctatt ccattgcaga gcacacagac gcacacacag acgcacacac 120
acacactcac agactgggac tgtgtagaca tgccaattca cctcgcggtg acatcttttg 180
gatgtgagag attgtgcaaa ctccacatag acaatggctt tggctgggaa gcgattgttt 240
ttcttatcaa cagtataatg aaataacgtg gaactaagca aagttattca aggacctgct 300
gtattcacat taactcaacg agtacaacaa aagataaagt tgttgtaagt gcctgcttgt 360
tcattcagtt agttatttaa caaatcttta ttttactgtc tacaataggc tagtcctcaa 420
ggatgaagag atcgattcaa taaaacctt attctcaagg agctcatagt ctactggtga 480
aataaaaagg tgccaactgc attacactca tgggaattcaa agttctgctt tttttttttt 540
tttgagacag ggtctcacta tgttgcccag gctagtctta aactcttggg ccgattgat 600
cctctggcct cagcctcctg agcaaagcct tttaaataat aatggtaaaa acaatcatta 660
actttttcaa tgtgcagtat tattatttat ttattttaatt 700

```

<210> 1658

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1658

```

cattacactc atggaattca aagttctgct tttttttttt ttttgagaca gggctcact 60
atgttgccca ggctagtcct aaactcttgg gcccgattga tcctctggcc tcagcctcct 120
gagcaaagcc ttttaaataa taatggtaaa aacaatcatt aactttttca atgtgcagta 180
ttattattta tttatttaat ttttgaaat ggaatctcgc tctgtcaccg aggctagagt 240
gcagtggcgc tatctcagct cacggcaacc tctgcctcct gggttcaagt aattctcctg 300
cctcagcctc ccaagtagct gggattacag gcgccagcca ccaagcctag ctaatttttg 360
tatttttagta gaaacagggg ttcaccatat tggccaggct ggtctcgaac tgctgacttc 420
aaccaatcca cccacctcag cctcccaaag tgctgggggt acagacctga cccatcatgc 480
ctcgccgcag tattattttt aatacacttt ttattttaag tagttttaga tttatagaga 540
agtttcaaga ctggttagaga gcattccagt gtgccctgca ccagtttcc cattgttaac 600
attactatgg tacaattgtc acaactaagg aactaatatt ggtacattac taaactccag 660
gctttttcca attcccttag ttgtgcccggt tgtccttatt 700

```

<210> 1659

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1659

```

taatacactt tttattttta gtagtttttag atttatagag aagtttcaag actgttagag 60
agcattccag tgtgccctgc acccagtttc ccattgttaa cattactatg gtacaattgt 120
cacaactaag gaactaatat tggtagatta ctaaactcca ggctttttcc aattccctta 180
gttgtgcccg ttgtccttat tctgttctct agtgtcatcc atgataccac attgtatgta 240
gtcatcacgt ctcttagagg cctctctggc tgtgtcagtt tctcagactg tgcttgtttt 300

```

```

tgatgacctt aacagtttta aggagtactg gtcaggcatt ttgtctttcc atttgggtat 360
gtgtagtggt tgtgtcatgg ttaggcagag gttactgggt ttggggagga agatgacagg 420
gataaagttc ctttcttatc acatcaaata aaaggtagat gctgttaaca tgatgtttca 480
ctgccaccat tgactgggat cacctagctg aagtagtggt tgatcagggt tctccactgt 540
gaagttattc ctcttattct cccctttcca tacagttctc ttttttaaaa agtcactctg 600
tatatcccac tcttaatgaa aggggggtgt gttccatctc cttgaggggtg tagtagctac 660
atacattatt ttgaattctt gggcacagga gattaaaatc 700

```

<210> 1660

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1660

```

tcacctagct gaagtagtgt ttgatcagggt ttctccactg tgaagttatt cctcttattc 60
tccccctttcc atacagttct cttttttaaa aagtcactct gtatatccca ctcttaatga 120
aaggggggttg tgttccatct ccttgagggt gtagtagcta catacattat tttgaattct 180
tgggcacacag agattaaaat cattaacttt tatttggagt tttgcattaa taaagctctt 240
tctttttttt gagatggagt ctogctctgt tgcccagggt ggcggtgcagt ggcggtgatc 300
cagctcactg caacatccac ctcccagggt cacgccattc tcttgctca gcctcctgag 360
tagctgggac tacagggtgcc ggccaccatg cccagctaat ttttttgtat ttttagtgga 420
gatgggggttt cactgtgtta gccaggatgg tctcgatctc ctgacctcgt gatctgcccg 480
cctcagcctc ccaaagtgt gagattacag gtgtgagcca ccatgcctgg ccaataaagc 540
tctttcaaata acattatttt acagggtccaa ctccgagaca gtttacagtc aggttgggga 600
gatcacactt atagaggaaa agttaatgac acgaaaactt tataagaaat ttaattttgt 660
acacccatgt tcatagcagc attattcaca atagccaaag 700

```

<210> 1661

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1661

```

tgagattaca ggtgtgagcc accatgcctg gccataaag ctctttcaaa tacattattt 60
tacaggtcca actccgagac agtttacagt caggttgggg agatcacact tatagaggaa 120
aagttaatga cacgaaaact ttataagaaa ttttaattttg tacacccatg ttcatagcag 180
cattattcac aatagccaaa ggatggaagc aacattgggtg tccatcgaca gaccatggat 240
aaacaaaaca tggatatagac atccaatgaa atattattca gccttaaaaa ggaagaaaat 300
tgacacatgc tacaacatgg atgaatcttg agaatagaca ttatgctaaa tgatataagc 360
cagtcacaaa aagccaagta ctgtatatca ggtacctaaa gtcacaaat tcataaagac 420
agaaagtaga agcgtgggtg caagggtgctg ggagaacggg ggcggggggtt gggagctgtt 480
gtttaatggg tacagagttt cagttttgca agatgaaaag agtcctggag atttgtcaca 540
caacattatg aatgtactta aggctactga gctgtacact taaaaaaatg gttaagatag 600
taaattttat gtgtattttg ccacaattaa acatttctaa aagaaatata attttgaata 660
agaagtattt tttataacta gccttccaat aagaaccac 700

```

<210> 1662

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1662

```

tcagttttgc aagatgaaaa gagtcctgga gatttgtcac acaacattat gaatgtactt 60
aaggctactg agctgtacac ttaaaaaaat ggtaagata gtaaatttta tgtgtatttt 120
gccacaatta aacattttcta aaagaaatac aattttgaat aagaagtatt ttttataact 180
agccttccaa taagaaccca cagttttgct gtaaaacaga ggctgcaaaa tggtagatta 240
tacagttgcc aacatttgaa aaatccagag attatatata ataagcagga tttcagcctt 300
ccttttttgt tgttgttgtt gttgttgtgc tttttgtttt tttgtttgtt tgtttgtttt 360
gagacagtct cactctcttg cgcaggctgg agtgcagtgg tgcaacctca gtcactgca 420

```



```

acctccgcct cctgagttca agcaattctc ctgcctcagc ctccccgagta actgggatta 480
caggcacaca ccaccacgcc tggctaattt ttataaaggc ttctttgaaa aacagaatga 540
tcgggtaatg tgagcccagg tgtgtcacct ggcaaccatc agctggagct gagcagcacc 600
tgccaccttt agacagatca tgcattgctat agtttcatgt gacccccacc agctttgatg 660
tattacaccc tgcccatttc actcactggt cttgaactcc              700

```

```

<210> 1663
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1663
ctgggctaatt tttataaagg cttctttgaa aaacagaatg atcgggtaat gtgagcccag 60
gtgtgtcacc tggcaaccat cagctggagc tgagcagcac ctgccacctt tagacagatc 120
atgcatgcta tagtttcatg tgacccccac cagctttgat gtattacacc ctgcccattt 180
cactcactgg tcttgaactc ctgggctcaa gggatccact gcctgggctt accaaagtgc 240
tgaggattaca ggcgtgagcc actgtgttta gcccaatttt ttattttttc tagagatgga 300
gtctcactat gttgcctggg ctggtctcaa actcctgggc tcaagcaatc cttctgcttc 360
agcctcccaa agtgcctggg ttacaagcat gagccacctt gcccagcctc ctatgataga 420
atttaagcac tcagaacttt gtgtatttaa ggtactaaaa taacaagtta tttggcaatt 480
cccctgaaac tttcacctaa gccctaactt cctcagtgtg acataaagggt gtcaggggga 540
atcagagaga acgctctcat attctctggg aagagaaagc tcctgccaga actcagcttc 600
ttttctgaga ataccatttt aagagcactt tgaccaagcc tattgtgatt cctactcccg 660
aaaatctcac tcccgataga ttttctgaag tgagccaaac              700

```

```

<210> 1664
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1664
agccctaact tcctcagtgt aacataaagg tgtcaggggg aatcagagag aacgctctca 60
tattctctgg gaagagaaaag ctctgccagc aactcagctt cttttctgag aataccattt 120
taagagcact ttgaccaagc ctattgtgat tcctactccc gaaaatctca ctcccgatag 180
attttctgaa gtgagccaaa cttctgcagt ctcaaggaaa catttctcaa ggaaaacatt 240
tctcaagtgc gcaaactcaga cacatctaac caagagtcca aaacttcagc acaaacaaaa 300
ccaaacgtgg tacaagaagg ccgccactga aatccaagac tgtctttatc tttccagtgc 360
agagctggga ttgagtatgt atgaaagggt tgtctacctc ccagctgcct ctacttctcc 420
tacacaactg cacctagctt tggaaaactg ttctgggcaa cagtttgtgt ttggtaccat 480
ctgttcttga cgctcaagac aggcctgaag tcaggcttct aggctgcaac atagagccac 540
tctgggatgc tcaactgaagc actctattaa aaacaatgag ccacatacac ctccatcata 600
tgtgttcagg ccagggaaaa aggaagtgtg tgatctagga gggggcctca tttgtacctt 660
tctgggatta caggtctgag cctaaggaac aaaggctgat              700

```

```

<210> 1665
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1665
caggcctgaa gtcaggcttc taggctgcaa catagagcca ctctgggatg ctactgaag 60
cactctatta aaaacaatga gccacatata cctccatcat atgtgttcag gccagggaaa 120
aaggaagtgt gtgatctagg agggggcctc atttgtacct ttctgggatt acaggtctga 180
gcctaaggaa caaaggctga ttcccctaatt ttcatggccc gcccaagggt tgaaaggaca 240

```

```

cctccaccct tatgggacat aaaggagagg acacatccat gtattatgta tctgtgacag 300
atattttattg gttgccttcc tagaatctgt gtccccctta ctactgggac cccacatttc 360
taagctatgc agttgaggta ggattagggg cacctctagc tccagggaga gccaatcagt 420
atatactaca ccctggtcac agttcaagga tgaacatgtg acccttgta gaaagagact 480
gaatttgaaa gcttttgatt aaacaatcag aaaagcacag cttgcttttt cctgctgctc 540
atgaacagaa tacatanaga tccaggagtc tggacatcat cttgagacct caatgggaaa 600
ggtgccaag gatggagtc aggaagagtc actgaagcca tcaaaatgta aaagagcctc 660
cattcctgga ctgtttggtt ctatgagcca ataccttccc 700

```

<210> 1666

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 1666

```

taaacaatca gaaaagcaca gcttgctttt tctgctgct catgaacaga atacatanag 60
atccaggagt ctggacatca tcttgagacc tcaatgggaa aggtgcccaa ggatggagtc 120
aaggaagagt cactgaagcc atcaaaatgt aaaagagcct ccattcctgg actgtttggt 180
tctatgagcc aataccttcc ctctttatct tcaacaactt taggttaggt ttttagtcac 240
tggcaacaga aaggatccta atcaagaccc cagtgaacag aactcgaccc tgccaaggct 300
tggcagtttc catttcaatc actgtcttcc caccagtatt ttcaatttct ttttaagacag 360
attaatctag ccacagtcac agtagaacat agccgatctg aaaaaaacat tcccaatatt 420
tatgtatttt agcataaaat tctgtttagt ggtctacctt atactttggt ttgcacacat 480
cttttaagag gaagttaatt ttctgatttt aagaaatgca aatgtggggc aatgatgtat 540
taacccaaag attcttcgta atagaaaatg tttttaaagg ggggaaacag ggatttttat 600
tattaaaaga taaaagtaaa tttatttttt aagatataag gcattggaaa catttagttt 660
cacgatatgc cattattagg cattctctat ctgattgtta 700

```

<210> 1667

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1667

```

tttctgattt taagaaatgc aaatgtgggg caatgatgta ttaacccaaa gattcttcgt 60
aatagaaaat gtttttaaa gggggaaaca gggattttta ttattaaaag ataaaagtaa 120
atattttttt taagatatataa ggcattggaa acatttagtt tcacgatatg ccattattag 180
gcattctcta tctgattggt agaaattatt catttcctca aagacagaca ataaattgac 240
tggggacgca gtcttgact atgcactttc tttgccaaag gcaaacgcag aacgtttcag 300
agccatgagg atgcttctgc atttgagttt gctagctctt ggagctgcct acgtgtatgc 360
catccccaca gaaattccca caagtgcatt ggtgaaagag accttggcac tgctttctac 420
tcatcgaact ctgctgatag ccaatgaggt aattttcttt atgattccta cagtctgtaa 480
agtgcataag taatcatttg tgatggttcc tttactatat atagagatct gttataaata 540
ataagattct gagcacatta gtacatgggt gataactaca tcaccagcaa acattctggt 600
aaaagttatg aatgctgggt tgctgtaaaa atgattgtat ttcctttcct ctccagactc 660
tgaggattcc tgttcctgta cataaaaatg taagttaaat 700

```

<210> 1668

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1668

```

gtgatggttc ctttactata tatagagatc tgttataaat aataagattc tgagcacatt 60

```

```

agtacatggg tgataactac atcaccagca aacattctgt taaaagttat gaatgctggt 120
gtgctgtaaa aatgattgta ttccctttcc tctccagact ctgaggattc ctgttcctgt 180
acataaaaaat gtaagttaaa ttatgattca gtaaaatgat ggcatgaata agtaaatttc 240
ctgttttaag ctgtaaataca ttagttatca ttggaactat ttaattttct atattttggt 300
ttcatatggg tggctgtgaa tgtctgtact tataaatatg aggaatgact ttttatcaag 360
tagaatcctt taaacaagtg gattaggctc tttggtgatg ttgttagttt gcctcccaaa 420
gagcatcgtg tcagggattc ttccagaag gattccacac tgagtgagag gtgctgtgta 480
gtctccgtgc agttctgact ctttctcact ctaacgtgtt tctgaaagta ttagcaactc 540
agaattatat ttttagaacc atgatcagta gacattaaaa tatataacaa atgccctata 600
ttaataattt ctgcatactt aaataattat gactatatga tgggtgttgta tgcatttgaa 660
tatgtcctgg tcatattaaa atgtaaaata tatagtttta 700

```

```

<210> 1669
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1669
tctttctcac tctaactgtt ttctgaaagt attagcaact cagaattata tttttagaac 60
catgatcagt agacattaaa atatataaca aatgcctat attaataatt tctgcatact 120
taaataatta tgactatatg atgggtgttg atgcatttga atatgtcctg gtcatattaa 180
aatgtaaaat atatagtttt attagtctaa atagaataaa actaccagct agaactgtag 240
aaacacattg atatgagttt aatgtataat gcattacact tccaaaacat ttttttccag 300
ttacataatt aagttatatc ctttataaaa ctctcagta atcatataag ctcatctac 360
tttttgaaaa ttttatctta atatgtggtg gtttgttgcc tagaaaacaa acaaaaaact 420
ctttggagaa gggaactcat gtaaatacca caaaacaaag cctaactttg tggacaaaaa 480
ttgttttaat aattattttt taattgatga attaaaaagt atatataatt atttgtgtaca 540
atatgatgtt ttgaagtatg tatakattgc agaattggaca atggaccaa tttttatacc 600
ttgtcttgat tatttgcatt ttaaaaaatt tctcatttta gcaccaactg tgcactgaag 660
aaatctttca gggaataggc aactggaga gtcaaactgt 700

```

```

<210> 1670
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1670
ttaattgatg aattaaaaag tatatatatt tattgtgtac aatatgatgt tttgaagtat 60
gtatacattg cagaatggac aatggaccaa atttttatata cttgtcttga ttatttgcag 120
tttaaaaatt ttctcattt agcaccaact gtgcactgaa gaaatctttc agggaaatagg 180
cacactggag agtcaaaact tgcaaggggg tactgtggaa agactattna aaaacttgtc 240
cttaataaag aaatacattg acggccaaaa agtaagttac acacattcaa tggagactat 300
atttgtctgg ctgtgcctat ttctatggaa ttgacagttt cctgtaatac ctattgtcat 360
ttttcttttt tcacagaaaa agtgtggaga agaaagacgg agagtaaacc aattcctaga 420
ctacctgcaa gagtttcttg gtgtaatgaa caccgagtggt ataatagaaa gttgagacta 480
aactggtttg ttgcagccaa agatttttga ggagaaggac attttactgc agtgagaatg 540
agggccaaga aagagtcagg ccttaatttt cantataatt taacttcaga gggaaagtaa 600
atatttcagg catactgaca ctttgccaga aagcataaaa ttcttaaaat atatttcaga 660
tatcagaatc attgaagtat tttcctccag gcaaaattga 700

```

```

<210> 1671
<211> 700
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1671

```
aagattttgg aggagaagga cattttactg cagtgagaat gagggccaag aaagagtcag 60
gccttaattt tcantataat ttaacttcag agggaaagta aatatttcag gcatactgac 120
actttgccag aaagcataaa attcttaaaa tatatttcag atatcagaat cattgaagta 180
ttttcctcca ggcaaaattg atatactttt ttcttattta acttaacatt ctgtaaaatg 240
tctgttaact taatagtatt tatgaaatgg ttaagaattt ggtaaattag tatttattta 300
atgttatgtt gtgttctaataaaaacaaaaa tagacaactg ttcaatttgc tgctggcctc 360
tgtcttagca attgaagtta gcacagtcca ttgagtacat gccagtttg gaggaagggg 420
ctgagcacat gtggctgagc atccccattt ctctggagaa gtctcaagggt tgcaaggcac 480
accagaggtg gaagtgatct agcaggactt agtggggatg tggggagcag ggacacaggc 540
aggaggtgaa cctgggttttc tctctacagt atatccagaa cctgggatgg tgcagggtaa 600
atggtaggga ataaatgaat gaatgtgctt tccaagactg attgtagaac taaaatgagt 660
tgtaaggcgt cccctggaag aagggcagtg tgggaacctg 700
```

<210> 1672
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1672

```
tagcaggact tagtgggggat gtggggagca gggacacagg caggaggtga acctgggtttt 60
ctctctacag tatatccaga acctgggatg gtgcagggtg aatggtaggg aataaatgaa 120
tgaatgtgct ttccaagact gattgtagaa ctaaaatgag ttgtaaggcg tccctgggaa 180
gaagggcagt gtgggaacct gtaactaggt tcctgcccag cctgtgagaa gaatttggca 240
gatcaatctc attgccagta tagagaggaa gccagaaacc ctctctgcca aggcctgcag 300
gggttcttac cccacctgac cctgcaccat aacaaaagga acagagagac actggtaggg 360
cagtcccat agaaagactg agttccgtat tcccgggggc agggcagcac caggccgcac 420
aacactccat tctgcctgct tatggctatc agtagcatca ctagagattc ttctgtttga 480
gaaaacttct caaggatcca gaaaatatgc tctttaaaat attttaaaac tgatatagac 540
ccaaaggaga gaccagtaaa caatattcag ctatattatc cattctctct ttctttcatt 600
caacaaatct gtattgatca caggctctct gctgggtgtg ggatgcagct gtgggcctgt 660
gctggagggtc cttagaggcc agtactccta tctggggctt 700
```

<210> 1673
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1673

```
agaaaatatg ctcttttaaaa tatttttaaaa ctgatataga cccaaaggag agaccagta 60
acaatattca gctatattat ccattctctc tttctttcat tcaacaaatc tgtattgate 120
acaggctctc tgctgggtgt gggatgcagc tgtgggcctg tgctggaggt ccttagaggc 180
cagtactcct atcctgggct ttatctgcat ggattgctgc agtgttgggc tccactgctg 240
tgtgaagcaa ttgctcctgc tctttctggg catgggagaa gggtcagagc agtcggacac 300
agattcccag gcaggagaat ggaactcctt ccgaggaaga agacgtgttt tccttccagc 360
acacacccag gcatggtggt caggaccgtg gaccaggtcc ccaacttggt catgcaccaa 420
gccccaggat caggagcaga gctagtgagg gagcaagatg gatgaggaca gcacgggtgct 480
gaccactcta gacagacagg agacaggaaa caggaaactc aacttgcaaa aagactgaat 540
ctcaacttga ttcaattagg cagatactga gttccagtat actccaggac tattctaggg 600
gctaggattc aacagtgaat aaaacagaca aaatcctttc ccttgtacac ttatatcctc 660
tcaaaaaagc tcctttcccc tctttcttat cagggtctaa 700
```

<210> 1674
 <211> 700

<212> DNA
<213> Homo sapiens

```
<400> 1674
gagacaggaa acaggaaact caacttgcaa aaagactgaa tctcaacttg attcaattag 60
gcagatactg agttccagta tactccagga ctattctagg ggctaggatt caacagtga 120
taaaacagac aaaatccttt cccttgta caattatcct ctcaaaaaag ctcctttccc 180
ctctttctta tcagggtcta atatatgtta taaggactta agactggaat atcacatcta 240
aatccccaat aatgagccct caccaatctg ccagggtccca gagaagctaa aaacaatcag 300
ggctggttgc aactaactga aataaaactt gattcgaact catgtcaagc ctgttgacaa 360
cacacacaca tgtccacgtg tcaactgctgt gcatagaaac ctctgactca ctaccatctg 420
aagtccaggc tccttcacag gtcattcaag gtcgacctct gccccctctg acccctgaca 480
tacagaaata caggcatcat ccattgtaaca accttggcaa gaaaacatta accagggtgcc 540
tcattcccat tattttaagt gcgaaaaatt ttaatgcatt atgtctcaac ccaaaatctt 600
caaccaactt cttaaaacat aaaacatagt aaaatgcctg tatataagga aaaaacacat 660
tagggtgtaa aaatttaaac aaaatatttt gtattttatt 700
```

<210> 1675
<211> 700
<212> DNA
<213> Homo sapiens

```
<400> 1675
tccatgtaac aaccttggca agaaaacatt aaccagggtgc ctcattccca ttattttaag 60
tgcgaaaaat ttaaatgcat tatgtctcaa cccaaaatct tcaaccaact tcttaaaaca 120
taaaacatag taaaatgcct gtatataagg aaaaaacaca ttagggtgta aaaatttaaa 180
caaaatattt tgtatttatt tatttaattg tagtaaaata aggatataag atatttataa 240
cagtacttcc tgatcactca gcagttaata taatgggtgc tttgtctgta taacatgctg 300
cacgtcccct tagttaacat tcagagcctt tccgattgtc ttctgtgaac gctgatttgc 360
tactaatcat atgtggaata aacctaaaga ctttgtccat tgactcccct catcacttgg 420
ttaagaatt tcttatgttt aggggacata aatattttta caatataaat attggtggga 480
aagcattgta ttgagagaca cgttctatga agaagaactg tatgtggaaa acattttattg 540
tgagatggt caggccaggc atggtggctt atgcctgtaa tcccagcaat ttgggaagct 600
gaagcaggag gatcacttga gtccaggagt tcaagactag cctgggcaac atagcaagat 660
gtctctacaa aaagaaagaa aagtagccag gcgtgggtgt 700
```

<210> 1676
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1676
acgttctatg aagaagaact gtatgtggaa aacattttatt gtggagatgt tcaggccagg 60
catggtggct tatgcctgta atcccagcac tttgggaagc tgaagcagga ggatcacttg 120
agtccaggag ttcaagacta gcctgggcaa catagcaaga tgtctctaca aaaagaaaga 180
aaagtagcca ggcgtggttg tgcacatctg tagttccaac tactcagggtg gctgagggtg 240
gaggatcacc tgagcccagg aggtgaggct gcaatgagct ctgattgtgc cactttgggc 300
aacagtatga ggctgtttta aaaaaaaaaa aaaaacaaaa aaacaaagag atgatctgta 360
aagaatgcta gctcttattc ttcacagaat atccatgaat tttcatacct ctgtgccttg 420
gtccacacta taccctctgt ctcaagtatc tttttcttcc ccaccaaca aacttgtaat 480
tgccctttag atgttttcat tcaccatata ctccttcttt tttttttttt agagacaggg 540
tcttgctctg tcaccaggc tggaatgcag tggcgtgatc attgctcact gcagccctga 600
actcctgggc tcaagtgatt cccctgtttc agcctcccca gtagctgggg ctacaggcac 660
ttactacat gcctagttaa tatcttttaa aattattttg 700
```

<210> 1677
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1677

```

ttcaccatat cctccttctt tttttttttt tagagacagg gtcttgctct gtcacccagg 60
ctggaatgca gtggcgtgat cattgctcac tgcagccctg aactcctggg ctcaagtgat 120
tcccctgttt cagcctcccc agtagctggg gctacaggca cttactacca tgcctagtta 180
atatctttta aaattatttt gtagggatgg ggtttcacta tgtgacctgg gttggtctta 240
aacttctggc ctcaagtgat cctctcactc tggcctctca aagtgctggg attacaagta 300
tgagccacca cactgcccctc tttttatttt tattttattta tttattttatt cattttattat 360
ttttttcgag atggagtcctc actttgtcac ccagcctgga gtgcagtggc atgatctcgg 420
ctcactataa cctccacctc ctgggttcca gtgattctcc tgcctcagcc tcccgagtaa 480
ctgggactac aggtgcatgc caccacaccc agctaatttt tatattttta gtagagacag 540
tgttttacca tggtggtcag gctgggtcttg agctcttcac ctcaagcaat ccacctgcct 600
cagccttcca aagtgcctgag attataggtg tgagccaccg tgcccgggtct tttttattat 660
ttattcattc attttattat ttattttttg agacagagtg 700

```

<210> 1678

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1678

```

ccaccacacc cagctaattt ttatattttt agtagagaca gtgtttttacc atgttggtca 60
ggctgggtctt gagctcttca cctcaagcaa tccacctgcc tcagccttcc aaagtgcctga 120
gattataggt gtgagccacc gtgcccggtc tttttattta tttattcatt cattttattta 180
tttatttttt gagacagagt gtcactctgt cacctatgct ggagtgcagt ggcattggtct 240
cagctcactg caagctccgc ctcccagggt catgccattc tcctgcttca gcctccctag 300
cagctgggac tacagggtgcc caccaccaca cctggctaatt ttttttgtat ttttagtaga 360
gatgggggtt caccatgtta gccaggatgg tctcgagctc ctgacctcat gatctgcccc 420
tctcagcttc ccaaagtgct gggattacag gcatgagcca ccgtgcctgg actgttttta 480
tttttttaag agatagagtc ttgctatggt gtccaggctg gacgcaaact cttgggttca 540
agtgatcctc ccatctcacc ctctgagta attggaacta taggcaagtg ccacctatgtc 600
cagcagtttt tttaatctca atgtacctgc ctgtggccag ctgacctact gctttcatgg 660
tctcatatca ttgtgtacat ttaccatcag gatcacgaca 700

```

<210> 1679

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1679

```

cttgctatgt tgtccagggt ggacgcaaac tcttgggttc aagtgatect cccatctcac 60
cctcctgagt aattggaact ataggcaagt gccacctagt ccagcagttt ttttaatctc 120
aatgtacctg cctgtggcca gctgacctac tgccttcatg gtctcatatc attgtgtaca 180
tttaccatca ggatcacgac atagagagag taaaatgcac aggcctataa atgtaacgag 240
ctgttacaaa agtttcaaag ccacaggaag gttctaccag gtgcttagaa tgtttattcc 300
atttatacaa aaaagaacta gaaaaacagt tccagagtat aaaagactca agcctaggag 360
tctccatggt tcaattgtcc gatggaagtc ccattcttac caaagaatca tggcagattt 420
aggttttcct ggtgtcagta ttagctcaga cctcatattt aacaatgttt gaaaagtttg 480
ggtatctcct atactagtgt gtacttatcc tgatgaatgg ctccagatcg ctttggtaaa 540
ggattaaaga aagtttactg catgtatatg tagtgggatt atagagtcct cctgttcaat 600
caatggacac tgggtttatg aatgccttag atgtgggaac tggaggaaga gcttgcattt 660
ccactgtggt ggctgatgtc agccctttac cacttgatta 700

```

<210> 1680

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1680

```

tgtacttatc ctgatgaatg gctccagatc gctttggtta aggattaaag aaagtttact 60

```

```

gcatgtatat gtagtgggat tatagagtcc tcctgttcaa tcaatggaca ctgggtttat 120
gaatgcctta gatgtgggaa ctggaggaag agcttgcatt tccactgtgg tggctgatgt 180
cagcccttta ccacttgatt acatatacat gctaattgat tatcaacgtt tcttgtctct 240
aggaacactt taattttctta gccaccacaa tagatccctg aagggttaaga gtcaaggcac 300
cctggttggc accatggcct tgctgtttgt ggtggttaatt atgtccccct tgccctctaat 360
gtttaagtgc ttccaacctg agctctgcca ttctagggat ctcatgttgc ctattgatat 420
tagggagtcc atgtcattgg cagcatcttt caccctcaac ccagcttaca ggggacatcc 480
accaccaatg tttgcaatga tgccctgcttc tcttcactag tgtatctggt gctgtgttag 540
taaaaggagt atattctgtg tcctccagga acatactcag atagtagggt ctcaggccag 600
atacaaaaaa tccatttttag tattcctgct tctctgagct atctgctctt ttcttcaata 660
ctatgggagg aagttcagggt gtctccactt catattctgt 700

```

<210> 1681
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1681
atgcctgctt ctcttccacta gtgtatctgt tgctgtgtta gtaaaaggag tatattctgt 60
gtcctccagg aacatactca gatagtaggt tctcaggcca gatacaaaaa atccatttta 120
gtattcctgc ttctctgagc tatctgctct tttcttcaat actatgggag gaagttcagg 180
tgtctccact tcatattctg tacaccatca tcaggatcag gcttcaagga gccactccag 240
caaactatta ggactaactc cagttgttct tgcgaaaact taattctgag tcgtaagtat 300
accacaccca ataaatccaa tcccattcaa ctctatattc ttctggacaa acagctgcag 360
gatgcactcg attctggatt ctgacagtac atattagtaa actcctgcac accttacct 420
tccctgccaa gactgtatgt cagctgtgaa gctattgtct ctcagcttca agcccactat 480
actatactct gctgcagctg ggattctgca aaccaatttc tcctttgcca gctgcaacct 540
tgtaggatac tgtcaatgga ggggtgtagac taggaggctg gaggaagaaa aggggacttt 600
tttcttctctg ttgcttccta ttctttgttt ttgtttcctg ttctgtcct cttatattec 660
tattcctaata cctaatacta acatgaacct tggcagcagt 700

```

<210> 1682
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1682
gggattctgc aaaccaattht ctcccttgcc agctgcaacc ctgttaggat ctgtcaatgg 60
aggggtgtaga ctaggagggt ggaggaagaa aaggggactt ttttcttctt gttgcttctt 120
attctttgtt tttgtttcct gttcctgtcc tcttatattc ctattcctaa tccataatct 180
aacatgaacc ctggcagcag tagttgactc tagtagcaac atttgattat agtttgagct 240
ttttccacca ttcatagaac cgaccttagc acacctcatt tccctctgag accccagcaa 300
cagccaatca gcatccccctc agaggctctg atccccattcc caaaggacct cttttctgag 360
ctcaggaact gactgcatg cagagcagtg tccccctctac agatgtctga gtttcaggtc 420
cacaaagccc gtccctccaaa tttataagtt ttaataattht tcacctgttc cctttgcttc 480
ccagacatag aagtgtctagc tgcttccac aattgccacc tccttgatac cttattgttc 540
cctttttgcc tgccctagttt tccaataacct ggctaacagt tctttatatt taattctgct 600
tattaaaata actggtatag tttgtgtctc ctgggtgggtg cctagttaac acaagatggt 660
cttagatctg actttaatta ttggccttga ggcaataagg 700

```

<210> 1683
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 1683
ctgcttccca caattgccac ctcccttgata ccttattggt ccctttttgc ctgcctagtt 60
ttccaatacc tggctaacag ttctttatat ttaattctgc ttattaaaaa aactgggtata 120
gtttgtgtct cctggttggt gcctagttaa cacaagatgt tcttagatct gactttaatt 180

```

```

attggccttg aggcaataag ggggtgttgag ggaggggttgt gggcagaaca aatgtcatct 240
tgtgaagtat atgtttcaag tgaaatagtt attctgtttc caggcaagga gaagttagtc 300
tactctggca aggggggaaag gtctgcttct accagttaaag gagggctcag agaatttgga 360
ggttcaagag ttttaggttt gtccacccaa atgtttctat cccagggtctc atgggtcccag 420
cctttcctca taagagccct gactttgaca cagaatgtgc aaaatccact cttctccttt 480
gaagctcttc aaaggctgca aataatcaga tcctgagcct aattttcaga tcgggttgcc 540
ctgcagttgc tggaaataag agtctcctct aaagttgcca tgggagttgt cgagcattcc 600
gagaatatgt taagttagaa ttagattgcc atgagcctat ctttttcttt tggttaaggtc 660
ttcagtgctg tcagaagagt cattgtactc tgcaatcttt 700

```

<210> 1684

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1684

```

aaataatcag atcctgagcc taattttcag atcgggttgc cctgcagttg ctggaaataa 60
gagtctcctc taaagttgcc atgggagttg tcgagcattc cgagaatatg ttaagttaga 120
attagattgc catgagccta tcattttctt ttggtaagggt cttcagtgct gtcagaagag 180
tcattgtact ctgcaatctt tataattacc attgttctca tataaccctg tcattttatc 240
tttcattgtc ttgctgtcca cctgcccctc atctaaatta accagagcta aaagcttaag 300
aaattgcaaa gccactgcct gccagaagtt attatcaacc tacttatatt cagcaatagg 360
ttcatattat tttaaaatag tgaataatcc aatgtcaatg ttccatttcc aagtgtttgt 420
tacctaaaac tacatctgat actaattgtc atagccaggt ctcttcagaa agcagagcct 480
gaagtcaggc tctgcttgcc ttctatgcct ggaaatataag ggtgctgtgt tgggtgttgg 540
gctgacaaag agacagatag gaggcagtga gggcaatctg agaaggcaca caaatatgta 600
tccaatacaa acataaattt ccacaactga tgcaagaaga catagaaaaa tctaaacaga 660
tctagaacca ctaaagaaat taaaccagtc attttaaatac 700

```

<210> 1685

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1685

```

cttctatgcc tggaaattaa ggggtgctgtg ttggtgttgg tgctgacaaa gagacagata 60
ggaggcagtg agggcaatct gagaaggcac acaaatatgt atccaatata aacataaatt 120
tccacaactg atgcaagaag acatagaaaa atctaaacag atctagaacc actaaagaaa 180
ttaaaccagt catttaaaat ctttcttgaa agaatacacc aagtccagat agttttctag 240
gtgagtcctt cttaaagtgtc aggtcacata taattccaaa catatataaa ctcttataga 300
aaataaacia aatgagatat ttcccagctc attttgtgaa gctaatatgt agcatacgaa 360
agtcagagga ggaaaatata tgaaagaaaa attatgatcc catactcact catgaatgtg 420
gacataaaca ttgttatcaa agttttataa atccaaatcc agcatgtata aaaagacatt 480
acataacaac taatgtaatg tctttctttc aggaatataa aattaagtgt caggaatatg 540
aaatattcct ttatttcagg aatataaaat taaatgtcag aaaatctatt aatgtaattt 600
accacattaa tcacttttta aagagaagaa tcaggctggg cacagtggct cacgtctgta 660
atcccagcac tttgggaggc cgaggcaggt ggatcacctg 700

```

<210> 1686

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1686

```

gtctttcttt caggaatata aaattaagtg tcaggaatat gaaatattcc tttatttcag 60
gaatataaaa ttaaagtgtc gaaaatctat taatgtaatt taccacatta atcacttttt 120
aaagagaaga atcaggctgg gcacagtggc tcacgtctgt aatcccagca ctttgggagg 180
ccgaggcagg tggatcacct gaggtcagga gtttgagacc agcctggaca acatgggtgaa 240
accctgtctc tactaaaatt ccataattag ctgggcattg tggcgggcac ctgtaatccc 300

```



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agctactctg gaggctgagg cagaagaatc gcttgaacct gggaggcgga gggtgcagtg 360
agttgagatc gtgccattgc actccagcct gggtgacaag agcgaaactc agtctcaaaa 420
tacaaaacaa aaaagagaga gagagagaga gaagaatcac atgatgatat caatgcagaa 480
aaagcattac tgaaatttta cattcattta ttataattac tttttaacaa agtcaaaaata 540
gaaaggaact tttttaacct gataaactta cagaaaatac tgtgctcaat ggtaatatgt 600
tcaaatacat tctttaaaaa aagaataatg caagaatacc tgcaggacca ctctgtgcac 660
tgcacaatcc caggaagcac catttacatc agagacatta 700

```

<210> 1687

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1687

```

acattcattt attataatta ctttttaaca aagtcaaaat agaaaggaac ttttttaacc 60
tgataaactt acagaaaata ctgtgctcaa tggtaatatg ttcaaatacat ctctttaaaa 120
aaagaataat gcaagaatac ctgcaggacc actctgtgca ctgcacaatc ccaggaagca 180
ccatttacat cagagacatt atatatattga gtatgtatga caatttcata ccagatagaa 240
gtatcttttt ccaatttgca cagaggcttt atatgatgta ctagtgtccc tggagactaa 300
ctttgttttc attaaaaact gaccaaaggt cccagccttt gcaaaaagat cattcatatt 360
aatagaacta ataaatatga ggattataaa ggaagaaaca aaaatcatat atatatattgc 420
agatgataca ctatgataaa aatggaactc aaaaacacgt agagtcatgc aaatgattat 480
aaggaataag agagttcagc aagttgctgg ataaatatgc aaaatcaatt acaaattata 540
cattaccaa aaacagataa tgtaatttta aagaagacat cattacaaat aagtataagc 600
attattataa tacttataag actataaagt gccaaagggt atggggggcac gtgcttgtaa 660
tctcaactac ttgggaaagg ctaaggcagg aggatcattt 700

```

<210> 1688

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1688

```

caagttgctg gataaatatg caaaatcaat tacaaattat acattaccaa aaaacagata 60
atgtaatttt aaagaagaca tcattacaaa taagtataag cattattata atacttataa 120
gactataaag tgccaaaggg tatgggggca cgtgcttgta atctcaacta cttgggaaag 180
gctaaggcag gaggatcatt tgaggccaga agtttgaggc tgcaactccag cctaggcaac 240
tgagtaagac cccatctctc tctctctaaa agaaaaaaaa aagaaatgta aagtgccaaa 300
gaataaatct aacaaaacat ggaaaacatt taaaaacttt atgaaagata gtaacaacag 360
caaatacgaga gacctagtat gtccacggat caagacttga cactgtaatt tgcaaactga 420
tttatacatt taatgtgact cctatcaaaa tccaagcat ttttttcatg atcatactat 480
gctgattcta aaatgtacac gggaaaatga gagtccaaga atagccaata caattctaaa 540
gaaggagctg aaaatgggag aacgtggccg ggtgtggtgg ctcacacctg taatcctagc 600
actttgggag gccaaaggtg gcagattgtc tgagctcagg agttcgagac cacaatgcgc 660
aatattgcaa aaccccatct ctagtataaa tccaaaaaaa 700

```

<210> 1689

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1689

```

cgggaaaatg agagtccaag aatagccaat acaattctaa agaaggagct gaaaatggga 60
gaacgtggcc ggggtgtggtg gctcacacct gtaatcctag cactttggga ggccaaggta 120
ggcagattgt ctgagctcag gagttcgaga ccacaatgcg caatattgca aaaccccatc 180
tctagtaaaa atccaaaaaa attagctggg cgtggtggca tacaccttta gtcccagcta 240
cttgggaggc tgaggcatga gaatcgcttg agccggggag gcagagggtg cagtgcagctg 300
aggttgcacc actgcactcc agcctgggca atagagttag accctgtctc aaaagcaaac 360
aaacaaacaa aacaaaacaa aacaaaacaa aacccaaatg ggagaacttg tcttgctaga 420

```

tatcaagcct	taataattaa	gtgtggtttt	gacaaggggg	tataacagta	gttcccaaca	480
gaggggtgatt	ccccaacccc	aaggggaacat	ttggcaattt	gggggttgtca	gaattggagg	540
ggaaggagg	gatgctactg	gcatctactg	ggtagaggtc	acggatgctg	ctaaacatcc	600
tacagtacac	acaacagccc	tccacagcag	aattctccca	tccaaaatgt	cagtagtggc	660
agggttgaga	aatcctaggg	gtagacagat	agaccggtga			700

<210> 1690

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1690

caagggaaca	tttggcaatt	tgggggtgtc	agaattggag	gggaaggagg	ggatgctact	60
ggcatctact	gggtagagg	cacggatgct	gctaaacatc	ctacagtaca	cacaacagcc	120
ctccacagca	gaattctccc	atccaaaatg	ttagtagtgg	caggggtgag	aaatcctagg	180
ggtagacaga	tagaccggtg	aaaaactaat	ttaaaaacag	aaaatatgac	ctgggagtgg	240
gcttatccag	caggaaacag	tagggacact	catattgagt	aacttaaggc	agttttattta	300
ataaagggac	cattataaaa	gaacagagt	tagggaaaac	aaagcccttg	gcgactggta	360
acaggaactg	caacaggaga	gggactat	actgaaactc	agagatacag	agcacacaga	420
gatacagagc	actacagcga	tacagagcac	tacatgcaga	cggccaattg	gcaagagctg	480
ggaccttaag	tcaagggaca	caaccagctt	gcagcaacct	tgcaaggaga	gagctaagg	540
catacatacc	ttgcttcacg	cacctcctac	cttttgatca	cctgtcaatg	ctcccatgg	600
caaaccat	gggaacctgt	gggcaataa	gctattaatg	tagttcatac	tggtcagcct	660
cccaggacac	agaggctaaa	aggggggtgga	gagcagatct			700

<210> 1691

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1691

acaaccagct	tgcagcaacc	ttgcaaggag	agagctaagg	gcatacatat	cttgcttcac	60
gcacctccta	ccttttgatc	acctgtcaat	gctcccatgg	tcaaacccaa	tgggaacctg	120
tgggcaata	agctattaat	gtagttcata	ctggtcagcc	tcccaggaca	cagaggctaa	180
aagggggtg	agagcagatc	tggagaggca	aataggagct	ttccagatgg	aatggaagga	240
tttcataaat	aaaaccccca	aagagcagag	caccaaggaa	aagactgata	cattcaatat	300
tcatcaaat	taccataagg	agagtgaata	gacaaaaccg	aagctaggac	aaatatttgt	360
ttcatatata	aatgactaag	gattagtttc	aagaatgtct	aacaaaatcc	tcttaatcag	420
taagaaaaag	ataaattacc	cactagaaaa	aaaaaaggta	aatgacatga	ataagtattt	480
cttagaacag	gaaacacaaa	tggccaataa	acataataag	agatgttcaa	ccttattagt	540
agtcaggaaa	atccaaaatt	aaaccacagt	gagataacat	ttcacacca	ccagactggc	600
agaaattaaa	aagtcagaca	ttacaattct	tgcccaggat	gtaaagtaaa	aggaattctt	660
acacattgtc	cacaaaagag	taaaatggtg	cttttgaaat			700

<210> 1692

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1692

atggccaata	aacatataaa	gagatgttca	accttattag	tagtcaggaa	aatccaaaat	60
taaaccacag	tgagataaca	tttcacaccc	accagactgg	cagaaattaa	aaagtcagac	120
attacaattc	ttgccagga	tgtaaagtaa	aaggaattct	tacacattgt	ccacaaaaga	180
gtaaaatgg	acttttgaaa	tgtagtctt	agtaaaaaat	tgaacgtgca	cgtaccttat	240
gaccccgat	ttcaacctag	tgcattttct	agggaaattc	ttgcccatga	acgtcaggag	300
agataaaca	ccacaatcat	agtagactgt	tttcttaaat	aaacttattt	taggaaaact	360
ttcagggtta	cagaaaaatg	gggaagatag	tacagaaagt	tcccacgtac	tccatatcca	420
attttcccta	ttcttaacat	ctttcttttt	tttttttttt	tttttttttag	acggagtgtc	480
cctctgtcac	tcaggctaga	gtgcggtggc	acaatctcag	ctcactgcaa	tctctgcctc	540

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ccagggttcaa gcaattctct tgcctcaacc tagctgggat tacaggcatc cgccaccgtg 600
ccctgttaat ttttgtattt tcatTTTTTA gtagagatgg ggtttcacca tcttggccag 660
gctgggtctcg aactcctgat ctcatgatcc accacctcgg 700

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```

<210> 1693
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1693
agtgcggtgg cacaatctca gctcactgca atctctgcct cccagggttca agcaattctc 60
ttgcctcaac ctagctggga ttacaggcat ccgccaccgt gccctgttaa tttttgtatt 120
ttcatTTTTT agtagagatg gggtttcacc atcttggcca ggctgggtctc gaactcctga 180
tctcatgatc caccacctcg gcctcccaa gttctgggat tacagggtgtg agccacagca 240
cccagtcctt aacatcttac attagtatgc tatacatgtc acattaatga atcaatatgg 300
atgcattatt gttaactaaa gtccatatct tattcagatt tcttttagttt tacttacttt 360
ttgcagcatg ttcttaacaa ctaaaacttt taaaaccccc aaaatgggccc aagagcagtg 420
gctcacgcct gtaattccag aactttggga ggccgagggtg ggcagatcac ctgagggtcag 480
gagttcgaga ccagcctggc caacatgggtg aaagcccgtc tctactaaaa atacaaaaaa 540
aaaaaaaaaa ttagctaggc atggtggcac atgcctgtaa tcccagttac tcggggaggct 600
gaggcaggag aatcacttga acacaggaag cagagggttg agtgagccga ggcggcacca 660
ttgcactcca gcctgggcaa caagaacaaa actccatatt 700

```

```

<210> 1694
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1694
ccaacatggt gaaagcccg tctactaaa aatacaaaaa aaaaaaaaaa attagctagg 60
catggtggca catgcctgta atcccagtta ctcgggaggc tgaggcagga gaatcacttg 120
aacacaggaa gcagagggtg cagtgagccg aggcggcacc attgcactcc agcctgggca 180
acaagaacaa aactccatat cataaaaaaa aaaaaaaaaa ctgcaaaatg tccatcagta 240
ataaaataga taaataaatt atggcttact catttagaag attatagtaa agtaaataca 300
gtaaataaat aaactacagt tataatgtatc aacatggatg agtctgaaaa cattttgttg 360
accagtaaaa gcaaatatta aataaatata tccaacatga ttccatttat aaagagggca 420
aaaataggaa aaatgaaatc atatataatt agaggatatt tatatatata ataaaacaag 480
aataacaaat aaatgattaa ccaaaaaaat aaggataatg gttccctttg gtggggaggg 540
acatggaagc tggtggaggg acaccttcat ggggagaggg aatgttccct tcagttgggt 600
ggtggacaca tgggtttttg ttatgtttta aactatacat agagattgta atttttttgt 660
atgtatgatg tttcataata ataattttta aggctctgat 700

```

```

<210> 1695
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1695
acaaaaaaaa taaggataat ggttcccttt ggtggggagg gacatggaag ctggttgagg 60
gacaccttca tggggagagg gaatgttccc ttcagttggg tgggtggacac atgggttttt 120
gttatgtttt aaactataca tagagattgt aatttttttg tatgtatgat gtttcataat 180
aataatttta aaggctctga tccctgctct tttctttccc cttgaaagca ggttgtctaa 240
atagtcttca tccccaaca ttctggctta agggaaaagg tgacacttta gagttagagc 300
aaacaggaac cccagccctc tgtgccccaa ccaaagaaat gtgattatgt ctcttatcat 360
cttcttcaag cccaccaca catcatgatg ctctctgttt ctgagaagct gaaaaagggtg 420
ctgacataat gtaatgagta gaatcgaggc agtatacacg gatctacca gagccatgtg 480
tgtcacccga ggggcagggt ggactctcag ctgtgggttg gaacataggc caaatctctg 540
cctttagggt ggaaatgacc ccaaatttga agattcatgg agcagggtga ctcttgctgt 600
taagaatgag agactcaccg tcatcagccc caagagatgc cttctgcaac agcgaaaagc 660

```

cacctcttgg cagatccctt tacgtgggta cagctggact

700

<210> 1696

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1696

tggactctca	gctgtggttg	ggaacatagg	ccaaatctct	gccttttaggt	gggaaatgac	60
cccaaatttg	aagattcatg	gagcaggggtg	actcttgctg	ttaagaatga	gagactcacc	120
gtcatcagcc	ccaagagatg	ccttctgcaa	cagcgaaaag	ccacctcttg	gcagatccct	180
ttacgtgggt	acagctggac	tgggcactgg	gatccagctg	gggcctggga	aactgccaca	240
ctggcacccc	ctattcctcc	acagtcaccc	ctcacttgct	tggtcatttg	gttgtttatt	300
cattcactca	gcaaatactc	acacagctgc	aatgtgccag	gcactgttct	aagtattggt	360
ggcacagcag	ggagcaggac	atagccctgc	tctagcagca	tcatacacat	ttaggagggt	420
cagacaacaa	acaaataaaa	caactataaa	ttgtggtaag	tgccttcagt	gcaagtagta	480
gaagcaaaac	aacccagtgt	taagatgcta	aagtcaggct	acctggnttt	aagttctgct	540
tctactgcta	cctgccattg	ggcaagttaa	ttaatctttc	taggagtcn	ttttcctttc	600
tatagattgg	aagtgatcat	caaacctact	gaataggatt	gattgaagat	ttattccttc	660
caaaaatatt	tattgagcac	cactatgtgc	caggcaccat			700

<210> 1697

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1697

ttaagatgct	aaagtcaggc	tacctggntt	taagttctgc	ttctactgct	acctgccatt	60
gggcaagtta	attaatcttt	ctaggagtca	nttttccttt	ctatagattg	gaagtgatca	120
tcaaacctac	tgaataggat	tgattgaaga	tttattcttt	ccaaaaatat	ttattgagca	180
ccactatgtg	ccaggcacca	tgccaggcac	taaggattaa	tagtgaagg	gacagacaag	240
gttctgccc	ccaggaacat	acatgatagc	agaggaagag	tcactggaca	agcaaaggcc	300
atgtcggatg	tgataagggc	tagggactaa	cgtgatccag	ggagattcag	gaagtgccag	360
ggagagaggg	ccactttata	tgtctgacaa	ggtgacattt	gagagctaaa	tgatgaaaag	420
gagccatcta	tgtgaaagcc	tgggggctgg	cgatagttaa	acagagggac	agcaagtgtg	480
aaagtatagt	agcaggaatg	aagttggtgt	ggttgaagaa	cagcaggaag	acagatggct	540
ggagcacatt	agcagggagg	taggagatga	ggctagggag	ggaagagagg	gctcatgcag	600
actcatgcag	gccagagaaa	ggactttgca	tttcattcta	gtaatgggaa	gtccctgagg	660
gtttaaagca	gaggagggtc	agatgactta	cttttttttt			700

<210> 1698

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1698

```

gaagttggtg tggttgaaga acagcaggaa gacagatggc tggagcacat tagcagggag 60
gtaggagatg aggctagggg ggggaagagag ggctcatgca gactcatgca ggccagagaa 120
aggactttgc atttcattct agtaatggga agtccctgag ggtttaaagc agaggagggg 180
cagatgactt actttttttt ttgagacagg gtctcactct gtcattccagg ctggattgca 240
gtggcaccat cacagctcac tgcagcgtca acctcctggg ctnggtgat cctcccatct 300
cagtctcctg ggtagctggc actataggca tgtgccacca cgccaggcta atttttgtat 360
tttttgtaga gatgggattt ctccatgttt cctaggctgg tctcaaactt ctgggctcaa 420
gcaatctgcc tatgttggcc tcccaaagtg ctgggattac aggtgtgtgc cactgcaccc 480
ggcaacttac atttttaaaa gatctctagc ttttgtgtgg gcacagatta gggtgtaatg 540
ttcgaccaga gaaacaagtt aggatgctat tgctccatgg tgagtgacat gggtatacag 600
gggtgaatggg gcaggggtggg ctggaggaga agacagaatc ctacagtgcg gggcattgta 660
gtgggcatct gatctctctc ttctccacc tctatgcagc 700

```

<210> 1699

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1699

```

agatctctag cttttgtgtg ggcacagatt aggttghtaat gttcgaccag agaaacaagt 60
taggatgcta ttgctccatg gtgagtgaca tgggtataca ggggtgaatgg tgcaggggtg 120
gctggaggag aagacagaat cctacagtgc agggcattgt agtgggcatc tgatctctct 180
cttctcccac ctctatgcag ctgcttctct ctccctcagaa tccagaccca aattttacct 240
tctgctggga aagccttctt tccctatttt ttgtttgcag gtggcggggg cncctggac 300
ctgggattcc caggttcttc ctctaactt gctgcctcgt ggccctagac cctcttgtg 360
taacacagac atcagtcagg ctctctcagg ctctaagac ctggacgaca ggctcaagct 420
cctatttgct caggtgcaag tggaaagctt ttgccagggt gtttgcaagt tcccttgtgc 480
atgactgtgc atgactagca ctgactctct cctgatacag catggttaga tctgtgtgtg 540
gtcatcagg acattcaana agtaatgccc ctgttctgca cccacagaa ggcagtcctt 600
tccactgagt cccattcaca cagccaagct gaccatcacc cggatctgcc tgtggcagaa 660
gcaacttcaa agtgagcgtc agtgctccta ttcttgaagt 700

```

<210> 1700

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1700

```

actgactctc tcttgataga gcatgggttag atctgtgtgt ggctcatcag gacattcaan 60
aagtaatgcc cctgttctgc accccacaga aggcagtcct ttccactgag tccattcac 120
acagccaagc tgaccatcac ccggtctgc ctgtggcaga agcaacttca aagtgagcgc 180
tagtgctcct attcttgaag tctgtggtc acgctacagt gatagaactt cttcttcttc 240
accccttttc cattctgtct gcagctttgt gccatcttgc cagttcccc tctctcttca 300
cccaattgca gtttatttct aatacacaga gcaatttctg tagccctttt gtaacaattc 360
attgctcacc tatggaccca agatctcagc ttctacctc cctctagtgg ctgatgcagg 420
tatttccaaa aaaaaagtc tagagcagga tcttggtgg ccacacggct gtccagtgtc 480
gtcctgccc acaaggttct aagagggttaa ggcttgacat atcagaaaag gaaaggaagc 540
ctgtgtgaca cagaagcctg ggttgaggga ggctacgctc tgtgtactgt ccccgggcag 600

```

```

aggcggtttt ctgggtcacc tgcattgtccc aacaccggcc tctgggtggtc ggcagatggt 660
aatcctaaaa cccttctgtc cccacctcag aggtgaagta 700

```

```

<210> 1701
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1701
taagagggtta aggcttgaca tatcagaaaa ggaaaggaag cctgtgtgac acagaagcct 60
gggttgaggg aggctacgct ctgtgtactg tccccgggca gaggcggttt tctgggtcac 120
ctgcatgtcc caacaccggc ctctgggtgg cggcagatgt taatcctaaa acccttctgt 180
ccccacctca gaggtgaagt acctgtgcac tagccttccc cgtctgggtc ccccaaggcc 240
cccacactgg gcgcacaggg tacagggagg agccaagccn tctgctccag ttctgccttc 300
tgcgcaggag ccctttgact tctgggagtc aaccccagct caccacaaca ggagataggg 360
caggtgggag acaccctaag ctcagaaggc ctacaggaga tggagagcac ccacctcca 420
cctctactcc ttctccagac cactccacac ctgcagctt cttgctcttc accctcgcac 480
ttggcccagt gggcaccaag aacaagncag ggtgactggc taagctgggg ccaaactcac 540
tgacagaatt ggaattgtgt caaaacacca cttttatgtc ctcacctttc aggctgcat 600
cagtgtgagc tctgcagaga aaggggcctg tcttactgaa ccctcagatc ccagcacgct 660
gctgtcctat ggaggcatcc atgcatatca gcagcagaat 700

```

```

<210> 1702
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1702
gaacaagnca ggggtgactgg ctaagctggg gccaaactca ctgacagaat tgggaattgtg 60
tcaaaacacc acttttatgt cctcaccttt caggcctgca tcagtgtgag ctctgcagag 120
aaaggggcct gtcttactga accctcagat cccagcacgc tgctgtccta tggaggcatc 180
catgcatatc agcagcagaa tgaatggatg gagggaggaa tgaatgtaat gaatgtgct 240
ccttcactgc cacctgcctt ctcaccctgc ccctcgaggg cagaatacta tggcttttct 300
tttcttcttc ttcttcttct tttttttttt tgatgaggtc ttgttctgtt ccaggctgg 360
agtgcagcag tgtgaacaga tgcatggctc acngcatcct ccacctccca gactcaagtg 420
atcctccttc ctcagcctcc caagcagctg ggaacaaaag tgtgtgccac tatacctggc 480
taatttttta gctttttagt aagggctctc ctatgttacc caggctgggc tcaaactcct 540
ggcttcaagc catcctccca ccttggcctt ccaaagtgtt gggattacag gcgagagcca 600
ctgtgcctgg cttgctatgg ctttttagag tttctcacc aattacctcc tctactcaat 660
ttctagctcc catttttggg ttctccatgg cttttgtccc 700

```

```

<210> 1703
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1703
gaaggggtctc actatgttac ccaggctggg ctcaaactcc tggcttcaag ccacctccc 60
accttggcct tccaaagtgt tgggattaca ggcgagagcc actgtgcctg gcttgcctatg 120

```

```

gcttttttaga gtttctcacc caattacctc ctctactcaa tttctagctc ccatttttgg 180
ttcctccatg gcctttgtcc cccaaatctg cccttggtgt cagagcactg gactaggagt 240
caggagtacc aggtttgtca tcagttagcc ctttgtgtct catggcccca tctgtaaact 300
ggaatggggt tttctcttga tctcaggatg taagtgggat ggaaaagtgc ccaatctcac 360
ttaagactgt ggtttcctga cccagagttt cagttctgtc ttttcttttt cagtatcagg 420
agtgttacat gcctgttata ctaaaccacac actcacactc ataaaggatg aaaactgagt 480
cctcccagaa gtattatctg tcagttgggt atctgttggt atgttacaga tgattccttc 540
actccttaca ccaaccctgg cagttgggta tgtggattac ccatgtgtat tagttcattc 600
tcacactgct ataaagacat acccaagact ggacaattta taaaggaaag aggcttaatt 660
gactcacagt tacacatggc tggggaggcc tcaagaaaca 700

```

<210> 1704

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1704

```

gtcagttggg tatctgttgt tatgttacag atgattcctt cactccttac accaaccctg 60
gcagttgggt atgtggatta cccatgtgta ttagttcatt ctacactgc tataaagaca 120
taccaagac tggacaattt ataaaggaaa gaggtttaat tgactcacag ttacacatgg 180
ctggggaggc ctcaagaaac aatcatggaa gaagccaaga gagaagcaaa ggcacgtctt 240
acatggcagc agaccagaga gaccgcaaat gggcgaaact ggaacagccc cttataaaac 300
catcagatct cgtgagaact cacttactat cagcagaaca gcatggggga aacctccctc 360
tgatccaatc acctcccacc aggttccacc ctccacaggt gaggattatg ggaattacaa 420
ttcaagatga gatttggttg ggggcacaga gccaaacct atcaccatgt ttcatatgaa 480
gaaagtggga attagagagg ccaaggaact tgcccaaggt cacatgctgg gaatggtagg 540
ctgcggtacc gcaggaagac ataagatgaa atgcatgaag aacattctga aaaaagtgaa 600
attttctcca gtgcttggct ttatcgtgag ctgactctgt gatttctgtc actcaggctg 660
tggatgcaag ttaaaaagca tcagctgtaa ccagtcacag 700

```

<210> 1705

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1705

```

gccaaaggaac ttgcccaagg tcacatgctg ggaatggtag gctgcggtac cgcaggaaga 60
cataagatga aatgcatgaa gaacattctg aaaaaagtga aattttctcc agtgcttggc 120
tttatcgtga gctgatcttg tgatttctgt cactcaggct gtggatgcaa gttaaaaagc 180
atcagctgta accagtcaca ggaggatttc tgagttgggc tggggtaggg gagagagatt 240
tctgcttttg gtcccatag tttctgtaac tctggtttag tttccttgtc actggatcct 300
gcattccttg agggcagcca ttgtatttta tctttcagct ttactaaagt atatgaaaag 360
ccgggcatgc taaagtgtac aattcaataa gtttagaatg tgtattcacc tgtgaaacta 420
tcagaacaat caagatactg aacacattaa tcacctccaa aatgtcctca tgccttccag 480
caatcccttc ttcccaggca atcactgacc tcgtttccgt cactatagat tagttggcat 540
tttctagaat ttataaaaa tggaatcata gtctagtttc tttctttctt tcttttcttt 600
tcttttcttt tttttttttt aagagtcttg ttctgttgcc caggctggtg tgcagtggcg 660
caatgttggc tcaactgcaac ctctgtctcc cgggttcaag 700

```

<210> 1706

<211> 448

<212> DNA

<213> Homo sapiens

<400> 1706

```

aatcactgac ctctgtttccg tcactataga ttagttggca ttttctagaa ttttataaaa 60
atggaatcat agtctagttt ctttctttct ttcttttctt ttcttttctt tttttttttt 120
taagagtctt gttctgttgc ccaggctggg gtgcagtggc gcaatgttgg ctactgcaa 180
cctctgtctc ccgggttcaa gcaattgtcc tgcctcagcc tcccagatat ctaggattac 240

```

```

aggcgcgctgc caccatgcct ggctaatttt tgtattttta gtagagacag ggttttgcca 300
tggtgtctag actgggtctca aaccctgcac ctcaggtggt tagcctgcct ccggcctccc 360
aaagtgtctgg gattacagggc gtgagccacc gtgcccgcc agcctgcctt cattgacttg 420
gaataattat tttgagacgt atccatgt 448

```

```

<210> 1707
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<400> 1707
tacagcttat ttcatactct cctactgttc aaaatctggt gtgcaaagta agagaacaaa 60
gagaagtgat gcttttcaga aaaaaagagc aaatatatgt ggacaggaag gaacttcggt 120
gtccatgtaa cagatataaa attgactgta aaaggcatgt gctcgcaatg tcaaagtctc 180
tatgagtaca gaaggacaca gactgtatta cctgtgtcta acttgtgctg tttctcttgt 240
ttctcctggt tgacttggtg gacagttcga tctaagtcta ttccttgtag cttagctgct 300
tggtgtgcaa tttttctttc aacatcttta agttccatct taagaatata acaaaatgat 360
ttcctttaat aaacttactg cattattcaa aatcttttaa aattaattgc tcttatcatt 420
tattttttta atctaaactt ataaaccatt tctagatata attttagcaa agtttaatag 480
gataaaagtg aaattaatta tcagcaattc aaatgatgta aacaaaagga agctgactaa 540
agatgaaaaa caaacagaac tgtcttaatt tttaaattta t 581

```

```

<210> 1708
<211> 632
<212> DNA
<213> Homo sapiens

```

```

<400> 1708
ttcttttagga ctgaactaaa ttgctggtat cactgctcag aagagtcttg aacttgatgg 60
agcttatggt gagaaataca gtttatttta aattttttatc ttttaattcc atttttccat 120
gaactttctg aagtctcctt gtatgtaaga actaaagttt atcaatataa cataccattt 180
catgacaata aattattttta aaacaattaa acaggtaagc atgaaataag agatttctat 240
tacatctcca aatggttgcaa cttacttcaa tttggcaagt ctgtccctgg tctgattaat 300
ttcttttgat ttactatgta gccagtcctt aagctgtttt ttggtgggaa aatatcccaa 360
cagtgaagggt aattcatcac tgtgcctaga ttttattttt ctgatttggt catctttgtc 420
agcctatagg taaaaaaa atcttttttaa aataaagtct atatctccac attatatcaa 480
gaacaaaaat aaattctaga ctgactaaag ttctaagctt aaaactataa aaatatgaaa 540
ataaaatata aaatttctta aagttcttaa agtcttcaag tggggatggt ctttctaagc 600
cttaagagtg gagtaccaag tcgaacaata ta 632

```

```

<210> 1709
<211> 711
<212> DNA
<213> Homo sapiens

```

```

<400> 1709
aaggctctgaa gctttaagggt ctgagtacag tatcttttaa aagctcccta tgtgattcta 60
attttcaggc tatcggggtg tagaaccaaa gagtcagaag atcaagatat tcagatgaat 120
tcattttaca tgagaataag acaaagttga tgtttttatt aaaatgctat aatcttagga 180
tcaaaaatag acaaaaatact tctaaaagta ttatatctta aaattattag attattcaaa 240
caatatctta cagcttttat gagctcctgg tccagttcaa gaatcctgtc tgaagatcct 300
tccaactgct gtaattcata cttcacattt ttcagctcat tctgcttctt acttaggatt 360
tctgatttta actcaattat tcttcccagt ccagttttct tatctcttat ctcatctatc 420
tgtttttggt tcagagtctc tttttctgca aagtcattct aaatgcata gttaaagaatg 480
agcattaata atttactaaa caatttaagt tttttaattg caaaaggaat atatgtacac 540
tgaagaaaat acaaaaaagt acagtcgtgt gttgctcagc agggatatat tccaagaaat 600
gcatcattag gcaattttat cattgtgtga acatcagaat gtatttacat aagcctacat 660
ggtatagttt aatacacaca tagactatat ggtatagcct attgtttatg g 711

```


<210> 1710
 <211> 571
 <212> DNA
 <213> Homo sapiens

<400> 1710
 aaaaaaaccc agaatacaaa attaagagta tgacatcagc tatataaaac agtattttaa 60
 ggaggaggaa aacacatgaa aatgtcaaca acggttacta ctgggtgcta aaactgtgtg 120
 gggctgactt tcatctctct ttatagtttt ccagtgccaa gttttctata ataagctatt 180
 atcattttta taattataaa aatacaaaat tgtactagca ccattacctt gggatcgtgt 240
 acaaatgtat ttcctttggg tccaggaggg aaatctccag tacaatatata ttttagacat 300
 tcaatgatgg tctaaagaaa tagaaaatta cattatttcg ttataagaga accacagaag 360
 tttaccataa aatatgaatt cattacaaaa atattattta tcatggaaac tataaaagat 420
 aaaatctgac attataaaac ctgtaataaa aatatgatta agtggttaag ctgtaagtgc 480
 acagaaatgc tatataacta agaagttatc ctaatatgaa gaattgttac ttgggaaaaa 540
 aataattatt ttcaactgaa accctttaaa c 571

<210> 1711
 <211> 1249
 <212> DNA
 <213> Homo sapiens

<400> 1711
 ggcgcttccc aaagcttgat cctgggactc ctggaatggg ggtagtggg gggtaggattg 60
 gagacccagg aagcgggggtc agttcatgtc aaaactatct tcttttcat tctcattctc 120
 tctctaactg tcgtgtagta atttccagtg atcacataac atgtgatgac gccattgcag 180
 tggcggttaa tggaatgtgc gcatgtgtat tcttgcgctt agaaatacca attttaattt 240
 ctaattgagt aaatgttgat aattataact cacgtacacg ctctttgagg tccccgtaa 300
 ttttttagtg taaaggcgctc tttaagacca aaagctctggg aactaaaact aaaagcagtc 360
 tgcaaatatg aagaatgtag aggtaatcca ttccgatcag tgctcccagc aatagatatc 420
 tttaaaaata agggaaagag aggttacctg tctcagaagt aactgagaat attgctttct 480
 tggaaacaaa cttaatggag ggataacaca tttaagggcc tagagaaaca tacataaaaa 540
 ttactgaaac aatagtggag gacattttaa tgaaacacaa atttggaatt actgtagtgg 600
 tataatttgc ctctgcctgc cttggaaaaa tgtaggaaat gtttctccag tcatacaatc 660
 ccaagcaaat aatttacaga acctaataca taaatgtatg tgccaaagga tgcaagtggg 720
 gaagaccagt gagaaatagt ctcttgctgt accagggtta aaaaaccgga agtgtcagt 780
 tattacaaaa tagttaaaat aactaatgga acaaaacatt aaaattatat aggaatgtct 840
 tacttggaag agcaaatgta ataaaaaat gggaaaagac gaaagacctt tttttatttt 900
 aaaaattgta aaatacacat aaaatttact gtcttgcca ggcgcggtgg ctcacgcctg 960
 taatcccagc actttgggag gccgagacgg gtggatcacg aggtcaggaa atcaagacca 1020
 tcttggttaa cacggtgaaa ccccgctctc actgaaaaca caaaaaatta gccgggcatg 1080
 gtggcaggcg ccgatggtcc cagctactca ggaggctgag gcaggagtat ggcatgaacc 1140
 cgggaggcgg agcttgacag gagccgagac cgcaccactg cactccagcc tgggcaacag 1200
 agcgagactc cgtctcaaaa agaatttact atcttaacca agtgtacat 1249

<210> 1712
 <211> 696
 <212> DNA
 <213> Homo sapiens

<400> 1712
 gggtcccggc ttagctccgg ccggagcatt aggtgggggg caagacaccc gcagactagg 60
 ctgcccgggc ctctcccgga tccgacgggt ctcccgcagc ttgtccacac tctgggtggg 120
 gggtcccagg catttgacag ctccagcggg tggagacggc ttgggtgggg agatctctag 180
 ggcgcacggc gtgccccact tcccccttac gggaaaggct ttccagcgcg cggacccagg 240
 agactctcac ctaggctcgg ccccaggctc caggggacac gcagaggccc gccgggcacc 300
 agccccgagc cccccgacac tgccgtcccg gtcccccaac gcgcgggacta caagtccag 360
 cagtccccgc agctggcacc tcccgcctcg ccgcgggagac ccccgggcgt ccaagcggcg 420
 gggctccggc tgcgctcgtg gccggggcgg gcggggaggc cgggtcccgc ggcgggggca 480

```

ggggcggtct cgcggtttct cccgcgcgcg ccgccaaggg gagttttccag gaagtggcca 540
tattggatcc attcagccgc agccgcccgc gcggagcgcg tccgcagcc ggctgggtccc 600
tgctcgctgcc cctgcgctcg tcccagccca cccgcccggg gcggagctcg ccatggcggc 660
caccgacctg gacgcgttct cggtgagggc cccgct

```

<210> 1713

<211> 1121

<212> DNA

<213> Homo sapiens

<400> 1713

```

ggcgcgtccaa gcggcggggc tccggtcgcg ctcggtggcg ggccggggcg ggaggccggt 60
cccgcggggcg ggggcagggg cggctccgcg gcttctcccg ccgcgcgcgc caaggggagt 120
ttccaggaag tggccatatt ggatccattc agccgcagcc gcccggggcg agcgcgtccc 180
gcagccgggt ggctccctgtc gctgcccctg cgtcggtccc agcccacccg cccggtgcgg 240
agctcgccat ggcgggccacc gacctggagc gcttctcggt gagggccccg ctggggccacg 300
gcgcgcgcgcg gaggcgcggg gcgcaggagg ggccgcctcg cagctggcgg ggggcgcgaa 360
gcgggctgtc agcgcctcac ggccggggcct cgacaccggg ccagctcgag gaccccggcg 420
cgggctctcg gcgcgctat cgggggggtcc cggagcgctg ggccggcctgc cttgccgggc 480
ggctggtcgg ggctcgcttc tggggcgcgag gcaaggctaa cccctttcgc gggaaggagc 540
aaagaccgcg ctggctccgg gcagggtgga agatagagt gcgcgcgcgcg ggccgcagggt 600
gagggtccgg gacactccgg accctatcgc ccagggtgtt tctttctgca cacttgggga 660
agagtcctag ccgcacagggt gctgcgggat aggtacagcc ggggaggatg gaggccccag 720
gatccgagag agtctccac acgagcccag gacagttgca gacttgagtc ctgaagacc 780
ttggcctgt tttccttct ccccgctcc cctctgcccc gctccccacg ccggaatcct 840
gggtgcgact ccaggcagggt caggcctcag tggtcgggtc tgcggcagcc attcgccagg 900
agctggaggg attccagact cagcccagtg ggcgtttatt tgggtccag tccaggtcct 960
cagaaggttg atgtccctgg tggctccctgc aggggtctca ctgggcctga gctgcccag 1020
agccaactta ctaaaggctt tcataattca ctgcgcggag ggaggccttt gggggggtgt 1080
atctggacat cccctgctgt ctaaggctgg atctgggtgt g

```

<210> 1714

<211> 632

<212> DNA

<213> Homo sapiens

<400> 1714

```

actacctatt tagtatacaa gaaattaact actgtacatc actgtgactt tagttaataa 60
caatatataa ttgctaagag agtagatttt aagtgttctc accataaaaa aattgaagta 120
atgaacgtta aatagcttga tttagccagt ccacgatgta tacttatatc aaaacatcat 180
gctgtatacc ataaagatat acaatTTTTTg tcaattaaaa ataaaatcaa gttaccttca 240
atggatcaag ttcattctca taggatttga caatttcctt tgaagatgtt aactgggctt 300
ccttacttgt aatctgatca cgaatctcac aagctttttc cttatattgc ttcagatatt 360
ttagttccat ttgatattct tttactttct gaccttgtgt ctgacgtacc tgccgaagtg 420
tttctaaggc tttaatgtat ctttgaagat atgaaacaaa aatcaaattt ctggcaaagt 480
aaattatggg atatatcat acagtgggat attatgctgt cactaagatt acagttacaa 540
tgagttttta ataacttgta aaatgcctat gacataatgg taagtgaaaa aaattacatt 600
tatactgtca atcaggtaaa taaatatacg ca

```

<210> 1715

<211> 510

<212> DNA

<213> Homo sapiens

<400> 1715

```

tggatgagag gtagtaactg atgacctttc tgctttttta attttttctg ttaaaaagaa 60
gcatccaaat tgcaaacaca gttcaataac ttaatggact acaaagtcta ttttaagggtt 120
acaaaccttg ttgctgaaaa aatctcatca aacttttctg tcaaagcctt tccttcactt 180
aaaggccaat tagaatcttc ttgatgacag aaaatgacat tatttagcac agccttgga 240

```

```

accccaagag aactgatcat ttctcgggtca atttctgcac acttagagct cagactgacc 300
ttttcaccat gcctacagaa aatgaaaatc aagaatatat gtaaaataac cttcagtgtg 360
tctattctat tgcttaatca attcatactg tacttcttta aaagaataaa aaaaaaggcc 420
cttcacctat cccggttagaa atggcttcat catgctaaaa agtgtaaactc ttaaactatt 480
taacggttca cagatgaaaa gatatgtaaa                               510

```

```

<210> 1716
<211> 845
<212> DNA
<213> Homo sapiens

```

```

<400> 1716
gaccccatc aactacttca aatttttagtt ggggaaacca agtcccagag agagagggtca 60
ctggatttat aaagttaaaa gcagagccaa acatacatct caccatttct ggcatcctc 120
agatattaat actcagtttt tcaaaccaca tgcaaggaag taaattcaga ggtaacattt 180
aactatgatt taaaaaaata ccaaaccat aaattttcaa ggcagtaatt atctccttct 240
caacagtgtc ttgagaagaa gcatgcattt gcaactggga gggaggcaca gattcgagtc 300
tcggctgtac tgctgaaccc tgaaggcctg acagaggctg cctggaatgg gatgaagagc 360
agcaaactag aaacaggcaa tctgtccaat tttcagtga acaagtttca tgattttaga 420
acctctcaac atccaaaatc ctgacacaaa tgttcctttg aaagaatata ttttcttatt 480
gactaagttg atatgagaaa taagtttctt attatacact ttctgaggac ctacatttct 540
atggcattta aatcttggat atttttaatg aacattgaat cccaggggagc taacactgca 600
tttcacaatc tctgagcact gatcgatgtt ctttttaatc ctgtagaatt tctccacata 660
ttcagaacgt cctaaaagct ccacaaaatc ttcacatga gtgattacca gaagctggaa 720
gttacgctgc tgtgagcgac tttttattat ctgcaacaat atattcagaa catattatta 780
gtaaagagca taacccttc tttgatttga aaagtcaccg caaaccttgt cagacacatg 840
aactc                               845

```

```

<210> 1717
<211> 789
<212> DNA
<213> Homo sapiens

```

```

<400> 1717
acacctgtgg agccctaggg acgcttctgc tcctaaggag agttctcaac ttcccatttt 60
attctccgaa agatgtagcg acctgtaaac tgaaggcggc tactgaagac ttaccgtctt 120
tcccgcctca ttgggtccaa ccaaaattgt aagggggctg aagaaagtga taatttgctt 180
atctttgtcc tctattccaa aactccgcac gcccagaatg ctcatctttt cgatccggga 240
catgtttgca aacgtttcta atctcaccag ggacctggag tccacaaagg cttaactgag 300
gccgaagcaa ggcgtgcacg ggacgtgaga cccgcgaatc tcagggtcag gaggatccgg 360
gcggggagcg aggccacagg actgccaaaa gatcctgccg gccaacagcg ggagagaggg 420
ggcgggggat ggagcctttc ctcccacacc agctgctttc cccgccggtg gggagagcgg 480
aggcggggac cagcctgggg ctgcccgcgg gggacgcaaa gccgtagcca caatgcgacc 540
ccgcaaccgc gactcacag ctctctgctt cggccgccct gcggatcacg tgggcctcta 600
ggcccgcacg cgtccacgac gctctcctgg ggcacgccgg gaaatcagag tcccgcggtg 660
cgtgcgcagc tccgacttcc ggggtgcggt cggcgaagca gagggctagg tgctgggtgc 720
tgttgccagg ggcagcggac ttccggatct ttgctgggga tgggcagcct ggagaggcac 780
tgacttttg                               789

```

```

<210> 1718
<211> 466
<212> DNA
<213> Homo sapiens

```

```

<400> 1718
aagtctattg aaaaaaattt aatatgctcc cctaaactta tagtagaaaa caaccatcaa 60
cttacagacc taaaagactg aaaatgaaca gaaattcaaa tatcatataa acacctactt 120
tgttctagta atgactcctt ccagagtttt aaattctgtc tttttgcttt tctgagtaca 180
caccatagat ctttgcacag ctataagttc tccattgaca tcacgaaatt gcagacgaat 240

```

```

ctgggctctc acatctgttt cttgagcaac ctttgaagga aaacacagaa aaaacttatg 300
ttacttttaac aagcaccagt gttgggttctg agaaaaaggc ataagcaatc ttacccaaaa 360
tgaggggaaca aaaagaaaaa catccaaaat gagtgatatt ttacatgct atccaaaata 420
tagaagaata ctgtttaatt aatttacaaa aatgatatac tatcta 466

```

```

<210> 1719
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<400> 1719
agattttatc ctaacactaa tagaaaaata tgccaaaatg gagtccaacc aaaaattaaa 60
acaattcaag tagagaatat gatgcaaaac aaataacaaa tactgtattt caaaataactt 120
gccatcagtt ggttggcagt ttttgcttcc ccttcttgct tctctctcac aagtttgtga 180
aaatttttaa tctgtctttc actgaatggc ccacgctcaa agccatccaa ttctagctgt 240
gttgccaaag actgaattaa tgaatctcta gctcggatat gttcttgatg gcgatctgct 300
tgcagctgta gacgaccttt taaaaaaaaa atctcataat ttttttttca actggtgctt 360
aaaaagttga gatagctgca gattcacgag ttataaaaaa taatgcagtg tgtctcttgt 420
acattttgcc cagtttctcc caatgataac attttgcaaa actgcagtaa aata 474

```

```

<210> 1720
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<400> 1720
tgtatagcct ttttaagattg gcttttccact cagcataagt ccttggagat tcttcattca 60
tacagaaaat gtataacatc atagtaggaa aaacgaccaa ataaacattt tgtcctaccc 120
tgttcaacaa gcagttctga tttttcctga ttgagaagcc tagattcttt atttagtttt 180
tccagttcac gatgacagtc taccatttcc ctttctttct cccttactgt tctctggtga 240
ttgtgatata agtcattttag ttgctcatca gtcccttgaa aaacctgtgt aacacaaaaa 300
taaaaagctt taatgtacaa acataagaaa atatgatcac tttgaggtat caaatataaa 360
ccaaacctta ttcaatatcc ttcattttta catatacata gaagtaacaa gatctgtatt 420
tgtttttttc caatgtggat ggcaaaatgg attcaaataa agttcatt 468

```

```

<210> 1721
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<400> 1721
atacatagaa gtaacaagat ctgtatttgt ttttttccaa tgtggatggc aaaatggatt 60
caaataaagt tcattacaat aatcccaaaa ttttgaagca gaacaaaatt ctaccaccac 120
aaaccttttc cattttctct tccagttcac tattatcttt ctccatttgc ttctttcggc 180
tatccaaggc ttttaatttca ttgtcaagtt tcattatttt agagagatta tgttcaattt 240
cttttagacg attctgaaaa taaagaaaca ttacataaat aaaactcact atagcttaca 300
tggctgatag atgaagacaa gtaagatact ccagggtccag gcatttagta aaagtgatct 360
catttaaggc taacaataac actgtagagc aggcctagag aaactgaagt tcagagacat 420
taagtaactt ggcccaagtc ctcacagcta gtagagagaa gcaggaat 468

```

```

<210> 1722
<211> 395
<212> DNA
<213> Homo sapiens

```

```

<400> 1722
gctcacttag cctctaaaaa atagtcaata ccaacttaat accttatagt ctatgactta 60
tgagtgaag gtaggctatt ttaagtacca gacagtataa ttagaacaaa aagaaaaatc 120
atactttgtc tttggtcagc atctccattt gggtagctgt tggtgtatga tggtttaact 180

```

```

gtccatctc ctggtcaagt ttacgcaggg tctgtctaa gtctgctttt tcattttgga 240
gacttattac ttccattttt aaggtttcta cattgctgtt tttctcagcc ttgcttaact 300
cacgttcccta gtcaataatt catacaaatg caaagggtgt atataatttg tgcaagaatt 360
aaaataatga caaagtgtat tagaaattaa ctact 395

```

```

<210> 1723
<211> 395
<212> DNA
<213> Homo sapiens

```

```

<400> 1723
tgaaatccaa gccattaggc tccataacca gggtttttaaa ttcccatcc ttaacagtta 60
cctgtgaatg aaaattcaaa ggtgtcaaaag tatcctgata atataaagta gacaacttac 120
ctcgtgtgtt tgatgatttt tcaatttcct ctttaagcct gtctaaatca ctttcaaaat 180
cctggctacc acaaacatca aacagcttgt cttcgtaact ggacaactgc tcttcctttc 240
tttttagttc attatttata tgatttttat tctgtctaga tgaagctagt tccttgctaa 300
aataagagca aatatggatt ttcattttta aataggagaa attagtttga aaatttgagt 360
aggcaaaaac aagacaaatt ctgccaacaa atcat 395

```

```

<210> 1724
<211> 462
<212> DNA
<213> Homo sapiens

```

```

<400> 1724
ggggaattct aaacacaacc tgtacctgaa tactagctac tatttttaac tctcacactt 60
caaattcaag ccaccatgga acaagtttta ttctgcctta aactacaata aacttacctg 120
gaacctctcc ataattgtaa catctgtcag gcatactttg gcactttctt cttcaggcat 180
tattgtaccc aagagtgttt cttgttcttc tatgtcgttc tttaggcgct gtatgtctct 240
attgacattc tgcagtttgt ttcttaattc tggattttcc ttctccttca aatcaattat 300
gctttgccta aatagaaaac acaattaaaa ataaagtatc tgatgtttct cacagttaga 360
ctgagggttat gtatttttag gaagaatacc acagaagtga cattgtgttc ttttcagggt 420
atcatatcag tggatatgga atcatgatat caatatgtct ta 462

```

```

<210> 1725
<211> 467
<212> DNA
<213> Homo sapiens

```

```

<400> 1725
cttatcatag aagtgatata agacagggca taccagctca gagtccttac tgagtaacta 60
ccatctgccc aggcatgaga tgggtacctt ttacaatgtg ctgctacatg tacagtgaag 120
gtaaatccca ttcttacctc atgggcacaa gtcccagcat ttcatacgc cgcttttcct 180
tttttttttag cctgatttct gttgacttga gtttatctgg agcaagtgcg agtttagact 240
gcaaactcact gatgacttct tgtaactcag cctctgtctg aaaaactctc tgacaaacgg 300
ggcaacatga ctggttttcg tctgttagct gagtaatgaa ctgggagtaa actgctgtgg 360
ctccagccag catggctatt ttaagaaaat aaattatatc accaatgaga aaaaaacata 420
aaatacagta ttctgaatac ggttgtatct ttttctataa atatatg 467

```

```

<210> 1726
<211> 548
<212> DNA
<213> Homo sapiens

```

```

<400> 1726
tatgatcgca gacaagtccc tttctcacct ataggaattg attaattagt ctcatttctt 60
aacttctatt gtagatcaag cagcaaaaata atttacatca aatccttggt ctaacaagaa 120
tttctaattg caaaattata ccatgaatct gaaaatacta tttatcttat gctattttaa 180
ttcatgtgaa ataagtgtcc gacgtggtgc tatgaacata agtttaatac agatatttga 240

```

```

taagtaaata tataaatgaa atcttacttt atcctgtgct attttgttgc ttgtatTTTT 300
tttgttgatt aattcttctt tttcttgctg gaacttttcc aatgttggtt ccaaagggtc 360
tacctgctct ttagcatcct aaaaatataa aaaagataaa gtattatata atattccatt 420
atcttacttt aggggtcaga cttcacagtc ttaataaaaag cactttctat gtgccaggct 480
ctaaaagtc actcatttgc tcctttcaat gaccctatga ggacagtacc atcattttca 540
gtcctata                                     548

```

<210> 1727

<211> 626

<212> DNA

<213> Homo sapiens

<400> 1727

```

gtaggcggat caccttagtt caggagtttg aaaccagctt gtccaatggc gaaaacccgt 60
ctctactaaa agaacaaaaa ttagccaggc atgggtggtgc acgcctgtaa tcccagctac 120
tccagaggct gaggcaagag aatcacttga acccaggaga tggaggttgc agtgagccga 180
gatcgtgcta ctgcactcca gcctgggtga cagaacgaga ctgtctcaaa aaataaaaat 240
aaaaataaat aattaaaata attttcaaaa aaacatgtat ggatattctt acctttatct 300
ctctgtacaa agactgaact tcagtggata attccacagt ctgctcctcc agttgctgac 360
gacgttgcaa attagtggat atctgaagtt tctcagattt tagctcattt gttgtacttt 420
ttagatgttg aatctgttcc tgctggtoct gtataagctt acgattcaat tcaatcttac 480
tagaaactac acaaaaacat attatcacag taattaatgt aagggcatag aaaatactat 540
ttgtatcatt cttcccattt ttatcggtct atggaatcca caaatgctat ttctgtgggc 600
cccaccact gcaacaaaaa tacaat                                     626

```

<210> 1728

<211> 388

<212> DNA

<213> Homo sapiens

<400> 1728

```

gcaaagagct tcccaccatt caggtgtagc cttgggtgct tccactgcac tgatgtttgt 60
ttctctcttt cagttacttg ggtgagttgg ctccccaggc ttttgagata cctgcctttt 120
gtccagcact gcctgcctct cgcatatcca aggetgtgtc tcccttcagc atcaccactc 180
ggtagttata attccgcctt ttatcagaag ctgatacatt ttcctcggca tcagaccgta 240
tttctatgta ttcaatatct gacacaggaa gaagaatatt ttagaggaac ctatgctctg 300
tagccttttg tcatttacia acatatcaag taagcctagg aacaacagat gaggctgaca 360
ttaccagagg aaaacaatgg ctggtgtg                                     388

```

<210> 1729

<211> 471

<212> DNA

<213> Homo sapiens

<400> 1729

```

tgccaagata agaattctta gaaaatctca aagacatgct tagaaagggg tccagggagg 60
taatgctggc atgatgagag gtcataaggg gaagagctgc ggagaggggt ttggaaagag 120
catttgatgat acaccatggg actcaccttg tccacgatag gtacttcgcc acaggtcacg 180
tataatttta ttgatttctt ccattttcat actgtgaaat ttcattattg ctctggaaaa 240
ggaagtcatt ggtacttcat atatataaaa aataattatg tgtaatagta atattaaaaat 300
acataaaaata tataatatat aaaaaataga aatataaata acttcctcaa tattttcaat 360
ggtaaaagta gaatatagta agagctacaa aaataaacag cagcaaaact ttgctgcttg 420
gctaatactg aaaattggca ggcttatttc tagtgctcca ggggtaccct t                                     471

```

<210> 1730

<211> 428

<212> DNA

<213> Homo sapiens

<400> 1730

```

gatgactaaa gtatgttagt taatattaac tgcaataaga aaatccccag tctaatactt 60
actgggtcaag agtcttataa taaatatcca gatccttggt cacaagttct gttgtcctca 120
taacaatcat ctttctctta tacttttcct cagcatcccc aaattgtggt tctcgaagtt 180
ctttcttaaa atgaataatt tcttcttcat aacctttctg tcgccctaata gccaaattat 240
gatttctttt tatattgtct atgttctctt ccaacttctg atgttctactg taaaaaagaa 300
aaatgacaaa tgaggaccat tttttagctt ttaacaacct gaagtggaaa agtcatagat 360
ttcttttagat aggttaagta tcattctcct tagcaatcag tatattataa cagagtctct 420
ccttgctt                                     428

```

<210> 1731

<211> 395

<212> DNA

<213> Homo sapiens

<400> 1731

```

acactgttca ccttctagta actctcaaag gataccaggc tgaggctaaa attcttttaa 60
aacagggtatt taatattctt cacattccag taataaagac gtttatttaa actgaagatt 120
attttaaaag catacctttt catttgcaa accctgcattt gaccttttc cttcaaagt 180
tgttttcttt cttcttcaac ttcttttagt tcctcatttc ttttcttaa agtaagggtta 240
tcttgtagcc acctttcttg tatctaaagg taaacattaa attagttaac aaaaataacc 300
aagttactaa catgaaatct gtaacaggca actgggtgaca gcaagtgcc tttctgtctt 360
acttagaatc atgtgaaatt caacagaggg agaatt                                     395

```

<210> 1732

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1732

```

gtgtgagcca ccaagcttgg cctctttcct ttttgcattt ctattcaatg gatcttctat 60
tgaaaataaa actatagaaa agaatgtcat aggtgtaagt gatatcataa gcaaaacaga 120
cctaccttct gtgtatcaat atcttgtctc atgagtctca tatcttcatt tatcttttct 180
ttgtgtttct cgcattcact tagttgagct attactttat taagttcagt ttctttttgc 240
tacaaaaaag aaaattcttt aagcacatga ataaaaatac aatcaaataa ataattttaa 300
gttttaaatt accttcttat agtcgtcttt cccatcttga atataattct caatgtcttt 360
catatagcca tgaatatatt taaccttctc tttaatatca ttcagctgta gaaaaatatt 420
cattaaattt acactgggtg tacttaaggg cacataacag gagagcacag taaaacactg 480
gctgggaagt tatgaacatt gggttccagt ttccaccact actgaatttt atgatcgag 540
acaagtccct ttctcaccta taggaattga ttaattagtc tcatttctta acttctattg 600
taga                                     604

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<210> 1733

<211> 376

<212> DNA

<213> Homo sapiens

<400> 1733

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tatcacaacc tgtcccaaaa tgtgagatac ttactcaacc agagcatgtg caagagatac 60
ttactcaacc agagcatgtg caagagattc aatgttttct cgggtcaagat ttgttgttgg 120
ctcatccaag gcaatgatgc cacagttgag gcagaacgtt tcagccaggg ccaggcgaat 180
gatgagttag gctaatacct ggaaaaaagc ccctatgtga gaagcccagc acagaccttc 240
tcatctcatg gcaggcaagc agtcctgaca tgatcttttc agcagggaaa agtgggaaac 300
gtcacagggt cactgttagg taaagcactg cctctgggga gagcccagca ctgggaccag 360
attcttatgt cctcca                                     376

```

<210> 1734

<211> 657

<212> DNA

<213> Homo sapiens

<400> 1734

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agataacatt aagaaaatat tatttgcaaa actgtgagtt tgctaaagct aggagatggt 60
gaattttatc aaatatagct gctagaattt tttcagaatt tttttcacct tcggttttat 120
tatagtgatg gatttatcaa cagatttttc attttctgaa atcttgcatc cttgggataa 180
aaatatcttg gttattgttg atgtttaata tatgactaga attgatttgc tcttaatctt 240
actcgtgatt acatttagga ccccccccca ccccaccacc acccccagga tactctgtct 300
taaggtcctt agctttaatc acatctgcaa agtttccttt gctgtataaa gtaacagtca 360
cgggttctag aaatcaggac ctgtctatct ttggggggcca accatttaac ctagcacaga 420
tagatgcctt aggaccttag ggcttaattc tcttctggac ccagttgaga aaagctgtct 480
aggcaaacat gctcattata gctacagatg gcacaaaacc atgccatgtg actgaatcaa 540
gacccggtat ggtcctggct gactctgaat gacaaaactc tacaaagcat aattcaaaag 600
cgtgtgactt gggtgcattc tgtgtggaat ggaaggattc aagatgtcag ctggcaa 657

```

<210> 1735

<211> 553

<212> DNA

<213> Homo sapiens

<400> 1735

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acaaagcata attcaaaagc gtgtgacttg gttgcattct gtgtggaatg gaaggattca 60
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gaagagcaaa tggagaggcc tgttcttcca ggtctggttg gacctacag ggagcaggcc 180
ttgactctgt gagtgagcct ggcttgccct ccacatggca atgcccactt agagaggaat 240
caggattgat ggtgaagcca gtatgtcaca caggatagac gcagaggagt gttacaggct 300
tcttcacgat gggcagatca ggcctcaagt ggtcagagct ttccaaaggc ggggtgtgcac 360
agtggagaat ttctctctctg tagagagagc tctgagctct gatgaccatc tgggaaggat 420
atgtaggaga agaaggtggt ggggtactgac ttagatgatt acttaagggt cctgtcaaac 480
tttgagaccc cattcaacta cttcaaattt tagttgggga aaccaagtcc cagagagaga 540
ggtcactgga ttt
553

```

<210> 1736

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1736

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gtgttttgaa ttttgtcttc tttagctgag accaaattaa accttggtgc ataaagtgag 60
cttaaaactt gccactgttt agtaagttag ccccataga atgtgacct gtctgcagag 120
tctcatttac ccctcttttt ctcatgtgca tttgttggct ttattagggc tgtcttacag 180
gatcatgttg gcatttacta tcatgtcttt atcataaacc atgtttgttt gaggtagaag 240
aatcaccata taattcgttg cccaaattgg gactattgag agagaaaggg gatgctatta 300
attacaccag atcaaaaggc ataaaccaga cctgtcccag gccgatgtgg aaatatgttc 360
tttctagttg tgggtaccct gatctagggt gtttgtaatt gtgcattact gactgcata 420
gtttgtgtat gtgtaaatgt gggctccctg ttaagtgggg ctcatggata cgaggcctga 480
ggaagtgttg cttgctagtc tgttacgtta acatgctttt ctaaaattgc ttcacgtgtt 540
aattcattta ctctgcatt cattgactgt ttttgttctt ttccattcac tttgtactta 600
tttttttcat taaattttgc atttattttg agtttttgtg gtgtcttttt tgggcagtag 660
cttttctgat ttaacgtttc ctgagcccat taatc
695

```

<210> 1737

<211> 628

<212> DNA

<213> Homo sapiens

<400> 1737

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ccagcgtttt tactgtgaat gtaaattggaa cagcagccca aagctgttgt ctgtgcccc 60
gagggtgctac ctgtagacag ggaccaactc catgtgtgtg tgtaagtgt ttgactccaa 120

```



```

ttaagactcc caagcaaatt ctgcatattc caaatgtaaa gagtactcag tgggaaaaag 180
gttggttacct caaagtcatt gcttctttcc tggctgggtc acagggtgaa gagatgaagg 240
tgtctgatgt atatagacaa ttagggaata atgagcggca aaggagcttt ccccttcagc 300
tgactctaa aggggaacat ttttaaggaa tactagcagc tttgactctt ctatgtctct 360
gttggtttac aagccaccaa gaatgtcagt gttgagaata cggcctggta aaatgggaga 420
tgtaaaatga ctaaattgaaa ggaagggtag ttttaattgt gaagcaccgt gctgggcact 480
ggagctaccc agaggaatgc acaacgctcc cctcaaggag ctcacagtct agcctactcc 540
ctggctggaa gcctcaggaa gacgtgctaa tttattgtgg aattggtagt ttgcttttca 600
tgccctgtc ttccttctca tgaccatt                                     628

```

<210> 1738

<211> 552

<212> DNA

<213> Homo sapiens

<400> 1738

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caacgctccc ctcaaggagc tcacagtcta gcctaactcc tggctggaag cctcaggaag 60
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gaccatttcc cctttctgtg ctggcttgca ttattgattt ccaggaccaa gtctggctt 180
cctcctgctt tcttgagatg atgttctgct cagggaagaag tggaggggtg agctgtgtgt 240
gtccaccgag gcacggccag gaagaggcag cctttacctg tgaggggctc catgctccag 300
cagcagagca ggttctagtg acaattcaac tttttatgct atgaccaggg gtggatctaa 360
attttatggg gctgaaagct tgaattattt agaaagactt ctttaagaaa aacaatgtta 420
atataaaatt aggtacaggg tcttggaagg ggccctgaag attaagcttc cttagcgtca 480
caataagtcc gtatctgggt gcaattgaaa actgatgctt cagtgagggt atctaaaaag 540
gtaaactggc at                                     552

```

<210> 1739

<211> 534

<212> DNA

<213> Homo sapiens

<400> 1739

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cgtatctggg tgcaattgaa aactgatgct tcagtgaggg tatctaaaaa ggtaaaactgg 60
catatccagg gcaaatgtgg gctgccaatg gctcatctct agggtaattt tatgtctgaa 120
agtgtatgca gttgggtcag agcatgacct ttaagatagc ctctctcagc taacatattt 180
atgaagatga ggcttgggtg cccagcaggc tcattggata cataagaaat gagaattcct 240
ggttcatggg ccaacctagg actctggagt atgcagactt ggccattcgt ccattgtggc 300
ctgcggtgct caccacaggc atactgaaag gccatactcg tggctggctg cctgcgggcc 360
taagccttcc caggatcttc aggacacttg acagacttgt gttttctggg ctgagctgcc 420
tccacaggtc cctccagcaa gcctcactgc acctctcccc tgctgtttgt gtttggaatt 480
ttgtcttctt tagctgagac caaattaaac cttggtgcat aaagtgaagt taaa 534

```

<210> 1740

<211> 524

<212> DNA

<213> Homo sapiens

<400> 1740

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cttgctgtct tttgcttctg tttgatttgg tctgcatatc ttttaattgt tctgtttttg 60
ttttgtttgt tttattttta tttttcagtt aacgcacgca cagacttaca tgtcaagagt 120
ggacttttaga ctttctagtg ttaagttgct tgagttacac cttgtgacct ttctccata 180
acatgggtgt aggacggact gggagccggg acagactcca gtgtttacag ccttgcttcc 240
ctccaccgga cctggcccc aggetgcccc gggcctggcg ggccaccct ctctatgcaa 300
acacgtaaaa gccatgaatg ctggaatcca aaactgacga ggtttatttt ttccagagcc 360
agtggctggg cttccattta cagtgtcact attccctgac ggagctgtta tgtgccgctc 420
tagcgaaggc cccagccggg atgctaggcc taattgttca gcgtggagat ggcaactcac 480
gtggtgccct aggtgcagct gcgtggtctg gtatacatgc tgca 524

```

<210> 1741
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 1741
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 atgctgcaaa attcaccagc ttccccctcat ttttaattttt ctaacctaca gcttaattttt 120
 aataacttta aaacactttc aaatatattat tttggcacca gcgtcaagac aaataatatc 180
 ctctccattt attttcataa gtaacacaga ttccctgatt tttaaaaact aaaaatacag 240
 ctaaacccttt cttatgtata aagtatgcct atcatataca gggagaggtg ggtaataaac 300
 ttctctgtaat gacagtgttt ggcatcttctt tatggatgga attggaacat gaacaagacc 360
 atgtccagcg tttttactgt gaatgtaaat ggaacagcag cccaaagctg ttgtctgtgc 420
 cccagaggtg ctacctgtag acagggacca actccatgtg tgtgtgttaa gtgtttgact 480
 ccaattaaga ctcccaagca aatcctgcat attccaaatg taaagagtac tc 532

<210> 1742
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 1742
 ccacatgatt ctacttctct ggctctgccc tgccctatcc cattccgtca taatcccatc 60
 cttggcctct tttctctggg tctccacagc ctacaagaga catacgaggc caagaggaag 120
 gagttcctaa gtgagctgca gaggaaggag gaagagatga ggcagatgtt tgtcaacaaa 180
 gtgaaggaga cagagctgga gctgaaggag aaggaaaggg aggtatgtgc caggctgggg 240
 gctgggatgg ggaagctgag ggaggggaagg cctggctgag ggtagaggtg ggggtgcctt 300
 cctggcccag gctcaag 317

<210> 1743
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 1743
 ggggctggga tggggaagct gagggaggga aggcctggct gagggtagag gtgggggtgc 60
 cttcctggcc caggctcaag ccctcctctt gctccccgca tcttctgccc cctttctgat 120
 gccagctcca tgagaagttt gagcacctga agcgggtcca ccaggaggag aagcgcaagg 180
 tggaggaaaa gcgccgggaa ctggaggagg agaccaacgc cttcaatcgc cggaaggctg 240
 cggtggaggc cctgcagtcg caggccttgc acgccacctc gcagcagccc ctgaggaagg 300
 acaaggacaa gaagaagtag gtggcaggct gcgcctgcgc tggctcctct tgctcctgtg 360
 ggctcttgc ttcgttcttg tccctcacct cccttctcgc tctcctgctc gccctctctt 420
 acccctttcc tgtttggttt tccctcatct tcagtggctc tccccccagc tt 472

<210> 1744
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 1744
 ctgccctgct gcctgtagta ccctgtgctg tttcctcctc atgcccacct gcgtgcctac 60
 cctgactctg gactgtgccc gcctgcatgc ctgcctgata cccaccggc cctctgcttt 120
 cagtggagaa tgagaatcac tgcgacttcg tgaagctgcy ggagatgttg atccgggtga 180
 acatggaaga cctccgcgag cagaccacac gccggcacta cgagctctac cggcgctgca 240
 agttggagga gatgggcttt caggacagcg atgggtgacag ccagcccttc aggtgacagc 300
 ctgagccaga gtgagcctgt cttcacagct gtggccagac acaccacctt ggcattctgtt 360
 ccctgagggg ccccatatcc tcttaccctt cgtgccc 396

<210> 1745

<211> 1218
 <212> DNA
 <213> Homo sapiens

<400> 1745
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 aagggttgcc atagatccag ctaccctaac cactgctctg ctctatttct ttagataaac 120
 ttaatacag catgggaaac agcaacatag agagaggagc aaagtgaaaa cattgtcagg 180
 aaggtccagc gggaagtcag tccaccttg ggacaagcta cagtttgctt gggagagtga 240
 ggaggggaaa gccaaatcag ggtgacaagg tcaaacagca gagagggggc tctctttaag 300
 ccaggtgtgc taagtccaac gtggtcttta ggcacctcca gtcagcacia gtttctgagt 360
 aggagaaaac ggtcagggtg cttctcagca tactggggtg aggggtgtgt gtggaggggtg 420
 gaccaacctg ggatgaggcc agtggggggg agggggcaaa ccttgccaca tcccagaaa 480
 gagcagagag aaaggcagag ggaagagaaa gaaacggggt ttcagaggat ttgggagctg 540
 cttttgtata gattgtcagt gagaaggata cagaacctcc tgaggcctcc gacctggcg 600
 taagtgttaa ttttctgaac gttttgagca gtgacattag cggagagAAC gtgcacgcac 660
 tgggagtggt catcctcttt gcacaatggg ggaaccatta agacgttggt ccaagccctt 720
 gggacaggca gggatgatga cacttgcaat ctgacgcctt gaccgtcgag ctccgctttt 780
 ctattgcagg aatcccagcc taaactgcgc atcctgctcg ttggttgac aaggagccga 840
 aggtggttcc cttgcccggg aaggccgcct ggccggagcg gcgggtcccg ccggggttcc 900
 cgccttagct ccggccggag catcagggtg ggcccaagac acccgagac taggctgccg 960
 cgccctctcc cggatccgac ggggtctcccg cagcttgctc aactctggt tgggtggtccc 1020
 agcacatttg caggctccag cgggtggaga cggcttggtg ggggagatct ctagggcgca 1080
 cgccgtgccc cacttcccc ttacgggaaa ggctttccag cgcgcgagc caggagactc 1140
 tcacctaggc tcggccccag gctccagggg acacgcagag gcccgcgggg caccagcccc 1200
 gagccccccg acactgcc 1218

<210> 1746
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 1746
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 gtgtgtctga gatttgttga gaattcagac atcgggtggg gctgcttcac tgttttaact 120
 cagatttagc gccaccccc cagcttgacc tttctcccc agtgggctca tgtcttgctt 180
 tatttctctc ttggcagaat gcagagccag agccccggag cctctccctg ggcggccatg 240
 tgggtttcga cagcctcccc gaccagctgg tcagcaagtc ggtcactcag ggcttcagct 300
 tcaacatcct ctgtgtgggt gagtgtcagg gcctggcctc agacagaggg tgggtgagaa 360
 cctcctggga gagggggtgc ttctggcccc ctgttgagct gcaagggggc tcccaggca 420
 ga 422

<210> 1747
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 1747
 agttcctggg gaatgggggt gatgagggat ggggtgggag gcctgcccct ttctcttacc 60
 caggggccat ggatgcctga gccctgcctg gcctagccac cagtcaagga cagccattt 120
 ccagcctatg acaccactt cttccccctc tgtcctcact gccagggga gaccggcatt 180
 ggcaaatcca cactgatgaa cacactcttc aacacgacct tcgagactga ggaagccagt 240
 caccatgagg catgctgag cctgcggccc cagacctatg acctccagga gagcaacgtg 300
 cagctcaagg tgaccattgt ggatgccgtg ggctttgggg atcagatcaa taaggatgag 360
 aggcaagagg cgggaagggc ggccccaccc agcctcctcc cccccacct acattggccc 420
 ctataacagt agcccagccc tcacactgca gggggccagg gagggcctct tggggaatat 480
 ctgaggctct gtggtcacca acagacca 508

<210> 1748

<211> 451
 <212> DNA
 <213> Homo sapiens

<400> 1748
 atctcaggca gaagctgttc ccagaaagaa aaggccaggg ggcagcctgg cttggccccc 60
 agccctgagc cccccaagcc ccaagcccct gatctcagct ggcagcctcc tgggtgatgg 120
 agctgtctgt agttacaggc ccatagttga ctacatcgat gcgcagtttg aaaattatct 180
 gcaggaggag ctgaagatcc gccgctcgct cttcgactac catgacacaa ggatccacgt 240
 ttgcctctac ttcacacgc ccacagggca ctccctgaag tctctagatc tagtgaccat 300
 gaagaaacta gacagcaagg tatccctgtc cccacctgct gtcacaggct ccatagtctt 360
 ctgctgcgat gcgatgtggg ggctgcctca tgccctgaaca ccatggctct cagggacctg 420
 gtcggggggct tgtgggtggc cccccattgg c 451

<210> 1749
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 1749
 tctctctggc ctccctcccc ctgcccaggg atatggcctg ggcatgtcta tccatatact 60
 gggcatggca tgggaaccac cgctcaaaag agccaaccag cctgctgtcc cctcccctga 120
 tcctggcagg tgaacattat tcccatcatc gccaaaggctg acaccatctc caagagcgag 180
 ctccacaagt tcaagatcaa gatcatgggc gagttggtca gcaatggggg ccagatctac 240
 cagttcccca cggatgatga ggctgttgca gagattaacg cagtcatgaa tgtgagcggt 300
 ggggtgagggc ctccagggccc tggggccaga gggcgaggag ccggcacaga tctgacacag 360
 ccccaggaga ctcttgtttc ccaggattcc agccttagct tctccaggac agaaggggtg 420
 gcactctggag ctggccagtc ctacatctgt gggcagggga caggaaga 468

<210> 1750
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 1750
 ggagttctgg gacatttctc cagaagagag ccaggaagta agcatctggc cctggagcct 60
 ttgttcaggc ctggctgccc ctccctagga cccaggggca gggagggaga gtctgccatt 120
 agtctgtgtc agctcagggc ttacgcatac ccgggcccct ttccaggcac atctgccctt 180
 tgccgtggtg ggcagcaccg aggaggtgaa ggtggggaac aagctgggtc gagcacggca 240
 gtacccctgg ggagtggtgc agggtgagtg tggacaggaa atgcatcctg ggggtagaac 300
 tgagttccct ggcctgccct gctgcctgta gtaccctgtg ctgtttcctc ctcatgcccc 360
 cctgcgtgcc taccctgact ctggagtggt cccgcctgc 399

<210> 1751
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1751
 cgaggtaaag aaagtagggg gcaatgatgc tgcccactct ggaggccgtg gatgtgaccc 60
 ccaccgccat gttcctgacc aggggttggg agagctcagc agtgaagaca tacagcatgg 120
 agaaagcaga ggtgatccca aattttccca gcatgaccag accaatggat aagaagtaat 180
 aatctggaaa agagaccggg tataaacaat ggtgctttta gaaatgatac tttcttatat 240
 cagttatttt tattgtcctt tttgcttcag tgggagtgact tttattaaca taaatatatt 300
 cccaaaatag cattttctct tcaaagtgc taatatattg gcatggacaa agatggagct 360
 catgtgaggg gtggctttgt actttgttct actgttattc taggtcatta atgcattcag 420
 tgacctttgt ccacttgtct tttgtttgtt aaaacagttt catgggtaag ctattagcat 480
 gtttaatatag ttaagtttta tcttcaaaga ggaggaccaa tcctttctat cctctttctt 540
 attattaaga aatatgtatt tctattacta tcaataattt agtgacattt taatattatg 600

457/663

```
agaacgtcag acacaagggg aaaaggggaag catatatcct tttgtgtgct atttaactac 660
ttaaagattc agaccagaaa accactgaat gtatcctgga 700
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<210> 1752

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1752

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tcttcaaaga ggaggaccaa tcctttctat cctctttctt attattaaga aatatgtatt 60
tctattacta tcaataattht agtgacattt taatattatg agaacgtcag acacaagggg 120
aaaaggggaag catatatcct tttgtgtgct atttaactac ttaaagattc agaccagaaa 180
accactgaat gtatcctgga accgacatgt cctactcact gtaatacttg aatatacacc 240
cagggaaaaat gtttgagagt agccagaaat taggaatcat gactatgagt taaagggaga 300
tggttaggtga gtctttctgt gaaggggatg actgggagag ttactcttcc tctttggtgc 360
tttctgcttc tcttgagactg tctcttctgt ttggggtagt tgttttgaac acaggaaaca 420
acatacgtag tgagcaatca cctgtctaatt tgacttatga atggccttat atgtaaaggc 480
tgaataaaca tggagcagtg actcagaagc agcctagtca atatgtgggt cttttctggt 540
aagctgttca tcttggttaa cttnttacc acaggtacca gttgaatgaa gagaagcaca 600
cctcctcccc agaacagtac tgcagctatg atataacgcc tgggcagggt tcgcaatagc 660
agccaggctg taatgtaagc tgggaatttca atcaaggcag 700
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<210> 1753

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1753

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cttnntacc acaggtacca gttgaatgaa gagaagcaca cctcctcccc agaacagtac 120
tgcagctatg atataacgcc tgggcagggt tcgcaatagc agccaggctg taatgtaagc 180
tgggaatttca atcaaggcag agaggaaaca gttcaggtag gcatctccat gtaaattagg 240
agcatccaga gacagagcaa agtaacccac tgaggtcagc atcctgaaag aagaaggtaa 300
aaatgacaaa gggatgggtg gaatcgccct aaaattttat gatgggtcaag aaattctcta 360
tatcttgctg tcttatnnat agccactacc ctcatgtggt acttaaattht gaataaatta 420
aaattaaata agattacaaa ttcagttcct tagttacact agccacactt caagtgtcta 480
atagccacgt gtanttagtg gctactatat tgaacaacat agatatgaaa catttccgct 540
actgcagaaa gttctatngg acagtgtctag tctagatata ccaatattca acaataactt 600
ttctcagcta gttgatttca agttttccta tttcctgaat agtttgtacc tcctcaatct 660
cttagagcta ttatatgaag aaaaaatatt agtcacatca 700
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<210> 1754

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1754

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acagtgcctag tctagatata ccaatattca acaataactt ttctcagcta gttgatttca 120
agttttccta tttcctgaat agtttgtacc tcctcaatct cttagagcta ttatatgaag 180
aaaaaatatt agtcacatca gtgaacataa aatccagatt tcattcttta acaaaaaaga 240
gatacaaggg tcatactgtg ggattcactt agaataaatt ctgattnnnt ttagggaaaa 300
gagtgaatgt cccctaattc ttcaaagtat nacagnctgc agtntgtata ttnggtcatt 360
atagttaact tccatgtaga agcttctctg tgggccatgc gtggtgnctc atgcctgaaa 420
tcccagcact ttgggagacc gaggcaggca aatcacctga ggtcaggagt ttgagaccag 480
cctggccaac atggtgaaac cccgtctcta cttaaaagac aaaaattagc caggcatggt 540
gggtggcatgt gcctataatc ccagctactt gggaggctga gacaggagaa ttgcttgaac 600
ccaggaggcg aagggtgcag tgagctgaga tcgcaccatt gcactccagg ctgggtgaca 660
gagcgaaact ctatctcaaa aaaataaaaa cataaataaa 700
```

<210> 1755

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1755

```
cccgtctcta cttaaaagac aaaaattagc caggcatggt ggtggcatgt gcctataatc 60
ccagctactt gggaggctga gacaggagaa ttgcttgaac ccaggaggcg aagggtgcag 120
tgagctgaga tcgcaccatt gcactccagg ctgggtgaca gagcgaaact ctatctcaaa 180
aaaataaaaa cataaataaa aaaaagaagc ttctctgtgg aaaaataact atgtaactga 240
gtacccccat ttttctaaga gatagtttat tttctctctc tcttcttttc tctttcctcc 300
ttttctgcac tttctactta gctctttaga agtgcaatta tagcctttta acctcctctt 360
cactggacac tccctgcagg gcaaattcat ctaactatgt gcttagaagc tccagagtgg 420
aactctcacc gccagatatt cctcaagcga tatcagtcaa tttccaactc aaagtatgcc 480
tgctagagtt tttggccacc tatacaacct gtttctgccc atgaaggcac cacntcaact 540
gccagtaga taaggcagca agctagccnt ctgatccctc acctgctcgc gtccctccct 600
gcctttttaga agtgcctgct ttccgcttca aaaagaggag cggtggtacc cttcaggcag 660
gaagccgata ctttctctcc taagctagct ttggaataaa 700
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<210> 1756

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1756

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tatacaacct gtttctgccc atgaaggcac cacntcaact gccagtaga taaggcagca 60
agctagccnt ctgatccctc acctgctcgc gtccctccct gcctttttaga agtgctgct 120
ttccgcttca aaaagaggag cggtggtacc cttcaggcag gaagccgata ctttctctcc 180
taagctagct ttggaataaa aagtcacttt ccttacatca gactttgctc ttgttaattg 240
gacgctgcaa gctgtgagtg actgaacctg agtttttggt acaactgcac tatgcagaca 300
cccctgtgta gaaatttgct tattattaac atgactgaga agcagaggat atctgaaaaa 360
tgacttcagg aacactagtg gatcttttta cacatactag acccaaatta gataatacaa 420
ggactaatc ataaacacaa caaataagta tgctcaaggg atcttagtga ttttccatt 480
```

```

tagtaatagg agtagtttag atagaactag tgactaatth tttatttagct tagtagcacc 540
actaccaag aacatttgca tcagggatat aggctgaaat gtaagaacta agaagcccat 600
gtacctagga cacacttgct taattcagac gcataagctc tgtcattgat ctcttctaata 660
tgccaagtag gatggccctt aaaaataaac ttagattagc 700

```

```

<210> 1757
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1757
atagaactag tgactaatth tttatttagct tagtagcacc actaccaag aacatttgca 60
tcagggatat aggctgaaat gtaagaacta agaagcccat gtacctagga cacacttgct 120
taattcagac gcataagctc tgtcattgat ctcttctaata tgccaagtag gatggccctt 180
aaaaataaac ttagattagc tgcagcctaa atctaccagt tctgacgatc atcgtgtgtg 240
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg ctgccatcat agagtaggaa ttttcttttt 300
tccttttttt ttggcagata aattattaaa tctaattctat aaagccaatt cagtatttct 360
gcgctgaaa gccacttggt agtttgctat tggcacgtgt aaaaagctga tcaaggctcc 420
aatccaggca atggggatct aggttattct agcctcagtg ttcaattgcc aggtcagctt 480
caggaagcag gagctgaatt agcatntctg cctcaggcaa cacggacatc attagtctta 540
atctcataat ttttgggtggg gagggaaacca ttaccaggga acatcaatga tctcaatccc 600
ataacttttag gagggggaag ggaatgcttt ccctttgggt cccagtactg cagacttaaa 660
tactgtaccc tgtgactttt ttttttttag atggagtctt 700

```

```

<210> 1758
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1758
agcatntctg cctcaggcaa cacggacatc attagtctta atctcataat ttttgggtggg 60
gagggaaacca ttaccaggga acatcaatga tctcaatccc ataacttttag gagggggaag 120
ggaatgcttt ccctttgggt cccagtactg cagacttaaa tactgtaccc tgtgactttt 180
tttttttttag atggagtctt gctctgctgc ccaggctgga gtacagtagt gcgatcaagg 240
ctcactggaa cctccacctc ctgggttcaa gtgattctcc tgcctcagcc tccaagtag 300
ctgggattac aggtatgtgc caccatgacc caggtaattt ttgtattttt agtagagacg 360
gggtttcacc atgttggtta gattcgtctc gaactcctga cctcagggtga tctgcccacc 420
ttggcctccc aaagtgctgg aattacaggc gtaagccatt gcgcccagtg acatttttca 480
atatctagtc ccatgaactg aatagaggca tttcaaaaata atttagaatt ttataatctt 540
aatttttctt caggaaaacc cagtcgttgt cataatgttc ctctgagtta agaaaatcag 600
ttgcatactt atgtgctgga tatctgcatt tccaggtcac ttattactta ccatagcagc 660
aaagacataa tggtcattat ggcaatattc cgagtcctga 700

```

```

<210> 1759
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1759

```

```

aatagaggca tttcaaaata atttagaatt ttataatcct aatttttcct caggaaaacc 60
cagtcgttgt cataatgttc ctctgagtta agaaaatcag ttgcatactt atgtgctgga 120
tatctgcatt tccaggtcac ttattactta ccatagcagc aaagacataa tggtcattat 180
ggcaatattc cgagtcctga acagggtccag aatgaaagct ttctgctgct tcagggggatt 240
tagctcctgt aacccaaaata atgcaaataa ccatgagatt aagaggtagt aaggaagtat 300
ctttggctat gatgcatggg gaaaacttat gcatgcaact cccacttcac cttgactatg 360
cttagaagtc tggtgattgg aggcaatagg gcatctacat atatgacact tactctgaca 420
ctttaaaatg tttgtagtcc attttacaca gaagcctttt aaatatataa ccccccttc 480
cctgtctcgt tagacaaagc ctggttgcta acatagcctt tctctgactg acagtcagag 540
aatggatgtc atttaccaca ctgatctgtg atcctcagga ctgcctattg aagggtaggg 600
ccatgtagtc ctttccttga ggccacgtct gctttttaca cttctctgtt tatttgtttg 660
ttttttttag atggagtcta gctctgtggc ccaggctgga 700

```

<210> 1760

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1760

```

ctggttgcta acatagcctt tctctgactg acagtcagag aatggatgtc atttaccaca 60
ctgatctgtg atcctcagga ctgcctattg aagggtaggg ccatgtagtc ctttccttga 120
ggccacgtct gctttttaca cttctctgtt tatttgtttg ttttttttag atggagtcta 180
gctctgtggc ccaggctgga gtgcagtggg gtgatctcag ctactgcaa cctccacctc 240
ccaggttcaa gcgattctcc tgcctctcag cctcctgagt agctgggatt acaggcagc 300
accaccgcat ctggctaatt tttgcatttt ttgtagagac tgggtttcac catggtggcc 360
aggttgggtc caaactcctg gcctcaagca gtctgcccac tttggcctcc caaagtgtcg 420
ggattaccca gccttgcttt ttacacttct cttggtgtag tcatttagca tcagaacaga 480
cttcagttta ctggcgggccc ttgggcaagt aacgatcctc tctgaacttc agcttactgc 540
tatataaaat gggatatatta attgggagtt gagagattaa atgagatcat atatatatag 600
cttagcacag tgcttgaacc atggtaaatg tccagtaaat ttaaactatt attattatta 660
ctgtatcatt gaggaaaaga ggctagccat cagcggctcag 700

```

<210> 1761

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1761

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ttgggcaagt aacgatcctc tctgaacttc agcttactgc tatataaaat gggatatatta 60
attgggagtt gagagattaa atgagatcat atatatatag cttagcacag tgcttgaacc 120
atggtaaatg tccagtaaat ttaaactatt attattatta ctgtatcatt gaggaaaaga 180
ggctagccat cagcggctcag tgacaaatcc ttactgctat caatggggtt atactctttt 240
acttttattt atattttatt tcttgtttgt tttttgagag ggagtttcan tcttgttgcc 300
caggctggag tacagtggcg cgatctcagc tcaactgcaac ntccgcctcc caggttcaag 360
caattcccct gcctcagcct cctgagtagc tgggattaca ggcacctgcc accacacctg 420
gctaattttt gtatttttag tagagatggg gtttcgccat attggccagg ctggtctcaa 480
actcctgact tcagggtgatc catccacctc agcttcccaa agtgctggga ttacagggtg 540
gagccactgc gcccgcccta ttcttttgct ttttaattgc tgatattaac ttgctatgag 600
ttatgaatca aggttaaccaa gctgattaga attgaaacta acataaaaagt tattaggctc 660
tgagggtggg aatctctcag ggatgaagta ccaggacttt 700

```

<210> 1762

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1762

```

catccacctc agcttcccaa agtgctggga ttacaggtgt gagccactgc gcccggccta 60
ttcttttgct ttttaattgc tgatattaac ttgctatgag ttatgaatca aggtaaccaa 120
gctgattaga attgaaacta acataaaagt tattaggctc tgagggtggg aatctctcag 180
ggatgaagta ccaggacttt gtgactttgt ggccctacag tgcattgcgc gtaagagact 240
gatggaggag tttttattat gaagaagtgg gagggccagg cctgccttca cagcagggtcc 300
tctccaaatg tgagtgtcct tttttctagg aatgatcaga cacttacaca gctcacagcc 360
acattgcctt ttctctcttg cactatttgg attgtagagc cccagaacat gccccagca 420
gaataaccct ggtattataa caaagcaaag ccactgcata aactagtggg aaccagacat 480
ctctctggag gggtccaagg gtggtgcaca cagacaggac ctgtggacca gtctgtgct 540
aatacttggg gggtccacgg ggcccttctt aaatgcaggg tgccagggtc ctccctgggc 600
ttgcctactt cgactctttt aaacagaggc ctgagaatct gtattcttaa agcacttggg 660
tgatttgtat gagcagccag gattggaaac ctcagaacaa 700

```

<210> 1763

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1763

```

gtggtgcaca cagacaggac ctgtggacca gtctgtgct aatacttggg gggtccacgg 60
ggcccttctt aaatgcaggg tgccagggtc ctccctgggc ttgcctactt cgactctttt 120
aaacagaggc ctgagaatct gtattcttaa agcacttggg tgatttgtat gagcagccag 180
gattggaac ctcagaacaa gaatatgctt gtatccagtg gttgtccctg gcctgggtgg 240
agccaccaa atgtcttttg atcagggtacc agaagcaggg tgaagggtgct tcttctgaag 300
ccaaggatg ttgagattgc tttctaagac aatactctac tctatatctt ttcctatcca 360
agttaatgct actgcctgta acatgaagtg aaaaatcaca gttgttaaga gcatgtactt 420
tggtgcctgg gagaactagg tcacaaatcc cagttaaca tctgtgtgat cctgggcaag 480
ttacttaact tcgctgtgcc ttagtttctt ttttgaaaa aaaaaaaaag catgagcaat 540
gagcagaaca cagtgcctgg catttggtag gctcttcaat atcattctaa ataggggtgca 600
tttgctggca cagggctctg cagatcctcc taaagaggat cctacgggag gtgagcaggg 660
gagatgacca ggcctcagga aagcgcaagc cccctttccc 700

```

<210> 1764

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1764

```

ttagtttctt tttttgaaaa aaaaaaaaag catgagcaat gagcagaaca cagtgcctgg 60
catttggtag gctcttcaat atcattctaa ataggggtgca tttgctggca cagggctctg 120
cagatcctcc taaagaggat cctacgggag gtgagcaggg gagatgacca ggcctcagga 180
aagcgcaagc cccctttccc ttaatgggtt tgtccagttc aggctagatg tgcattatgg 240
caggaagaaa gaaggcactg tcaggctgag aatgatggct cacatctgta atcctagcat 300
tatgggaggc tgaggtagga ggattgcttg agcccaggag tttgagacca gcctgggcaa 360
catagtgaac ccctgtctct acaaaaaaaa atacaaaatg ttagctgggt ttggtggcaa 420
gtgcctgtag tcccagcttg ggaggttgag gtgggaggat tgcttgagcc cagaagggtc 480
aggctgaggc tacattgagc tgtaattgta ccactgcact ctagcctgag caaacagtg 540
agactcaaaa tttttttaa gtgtgtgtgt gtatatatat atatatatat atatatatat 600
acacatacac acatatatat acacatttat atatgcgtgt gtgtgtgtgt gtgtgtgtgt 660
gtgtgtatat atatatatat aaaggcactg ccagaacct 700

```

<210> 1765

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1765

```

tgtaattgta ccactgcact ctagcctgag caaaacagtg agactcaaaa tttttttaaa 60
gtgtgtgtgt gtatatatat atatatatat atatatatat acacatacac acatatatat 120
acacatttat atatgcgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtatat atatatatat 180
aaaggcactg ccagaaccat gtgttttaac actgaactat attcttattt gtccataact 240
atatatctca tatctatttt atgattgctg tcatccacat aggtagatcc ctacaactag 300
actctaagtt tcacagatag gaatcaggcc acctagctga taaataccga taaacacccc 360
agcacagccc tgaagggcag aagtgttaga cactcccaat gttgttgttg ttgttgttgt 420
tggtgtttta tccattttaa ttgactgaga cttgaaatgg acttcttgat ttgaagggca 480
aaggattaag ggatgttttg tcctggcagc cctctgagag cttgagttca tggccagtct 540
aagcctctag ccatagccag agtatctgct tctggaaaag gtcctgaagg ccagggactg 600
gggaagccgt gggggtgagc agtggcatgc ccaccgtcct ctacagagtt ctgctttctg 660
tactacatgc tttggtgcag ggcattgtata atgttactga 700

```

<210> 1766

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1766

```

tcctggcagc cctctgagag cttgagttca tggccagtct aagcctctag ccatagccag 60
agtatctgct tctggaaaag gtcctgaagg ccagggactg gggaagccgt gggggtgagc 120
agtggcatgc ccaccgtcct ctacagagtt ctgctttctg tactacatgc tttggtgcag 180
ggcatgtata atgttactga agccaccaca gtctttttta ggtgtcctga gcagactcct 240
acctatctcc tagacaggaa tgccctgccc catcctctcc actcatttaa gtgagtcctg 300
ctgtcctccc tggcttggac ctgcctccag ccatgggcca ccctgctatc tttctctgta 360
ttgctggcac acagtgtctc tacttggata cttaccattt cctcccttat gccattcttt 420
atctttttat ctaatcctct tgccaatctt agttacattc tatgttcctt tagaatttgg 480
gctgtgtctt ttcttatttc ctctaggagc cagcacaggg catggcacac tgcataatcct 540
cacgaactgt caggaggtgt ggctgcttcc acagaatatc agcttttctt tgtggccacc 600
agctttcaag ggtgaatcct caagcctgtg ctttcaggcc ttaaggttct agacatgaca 660
cagagtgaga ctaaagacat gcatagcttc ctcagcagtc 700

```

<210> 1767

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1767

```

ctctaggagc cagcacaggg catggcacac tgcataatcct cacgaactgt caggaggtgt 60
ggctgcttcc acagaatatc agcttttctt tgtggccacc agctttcaag ggtgaatcct 120
caagcctgtg ctttcaggcc ttaaggttct agacatgaca cagagtgaga ctaaagacat 180
gcatagcttc ctcagcagtc tgtggtaaga ttcagggtac agtggagAAC ccagggtgga 240
ctagccctga aacataattt tccacttaat ctggacattt aaaaatcatc agtacatagc 300
tgtgtcagtg gtttggagca atgccaatag aaagttagtg ataaacttgc aaaataaagc 360
aaactaatat ttaatgaacg cttgctattt gctaagcagt ttacatatat tattgcattt 420
aattcttata aacagccctt taagggtgat tttatcttag aatttaataca tgattgtgtt 480
cctaaggcct agtgcaatgc ctggtacata gtgggcactt aacaaatatt gaattaagtt 540
aaattccata aaatcaagaa tgcataagct atctcaagag gaaacatctg caaatgctta 600
cctccacaga atcaaatatc actgctggta cagctatggt gttcattttt gcagcttttt 660
ggatgatatc ttcagcctct ctaaactctt tctgggatat 700

```

<210> 1768

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1768

```

ctggtacata gtgggcactt aacaaatatt gaattaagtt aaattccata aaatcaagaa 60

```

tgcatagctg	atctcaagag	gaaacatctg	caaatgctta	cctccacaga	atcaaatatc	120
actgctggta	cagctatggt	gttcattttt	gcagcttttt	ggatgatatc	ttcagcctct	180
ctaaatcttc	tctgggatat	cagccatcgg	ggagattcag	gaatgaacct	ataatttatt	240
tttaatat	aataattttt	cacaacagca	gggctggata	ctattaaatc	tgagtttccc	300
ccaaatagtt	ttaattttgt	aaaattctag	tttgtctttt	taaagggagt	ccacataaga	360
tttctattgg	agcataggaa	taaataaaac	caccttcaag	tttcaaactt	ctgatcaa	420
tataagaccg	atcatcagtt	gtgcttgaga	ccaggaccag	accataaggg	gtgacattaa	480
ctatgggcat	gtttgagcca	gggctctgga	gaagttcatc	caaaacttat	aggtagtg	540
gctcataaaa	gaaacatagc	tactagacta	taagttcccc	tagagaagag	actgtctttg	600
cagtgggtcc	atcctaagga	gaattgctgg	tgtcccagct	ggtgatgttc	acagtttatt	660
gggaaaagga	tggccagggc	acctgtgttc	ttgatcgttt			700

<210> 1769

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1769

gggctctgga	gaagttcatc	caaaacttat	aggtagtg	gctcataaaa	gaaacatagc	60
tactagacta	taagttcccc	tagagaagag	actgtctttg	cagtgggtcc	atcctaagga	120
gaattgctgg	tgtcccagct	ggtgatgttc	acagtttatt	gggaaaagga	tggccagggc	180
acctgtgttc	ttgatcgttt	ccttttagtca	aaagagaaa	tgagggcact	gacacccgcc	240
tgtgtggggc	ccccatggct	ttcaacagat	ttccagatca	gcgagtgcc	aaaccagctt	300
ttgggagatg	agccccaatg	ttgtcttttt	gttaatgtct	aaaaaagctt	attgttttaa	360
attacatagt	ctattcccat	ttatagctga	tgctcaaaca	cagttgcaaa	taatagggct	420
tctattcttt	ctaaattttt	atcttctcaa	atcttttagc	cattctcctg	tcagctctca	480
ttttccttac	ctattgtcag	tacagatggg	ccctaactta	tgatgggtcg	acttatgatt	540
tttctactat	aggagaaaaa	tgatatgcat	tgagttagaaa	ccttactttg	agtgtcata	600
catacagcca	ttctgttgtt	cactttcagt	acagtattta	ataaattaca	tgaaatattc	660
aacacttaat	tataaaatag	gtttttgtgt	agaaaatttt			700

<210> 1770

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1770

tacagatggg	ccctaactta	tgatgggtcg	acttatgatt	tttctactat	aggagaaaaa	60
tgatatgcat	tgagttagaa	ccttactttg	agtgtcata	catacagcca	ttctgttgtt	120
cactttcagt	acagtattta	ataaattaca	tgaaatattc	aacacttaat	tataaaatag	180
gttttgtgtt	agaaaatttt	gccccattgt	aggctaattg	aagtgttctg	agcatgttta	240
aggtaggtca	ggctgagcta	tgatatattg	tagggatgca	gggcaggcaa	gctccagagt	300
ggggttttgg	ccatgagggg	tcttggcttt	gcccaggaaa	gaattcaagg	gcaaactgga	360
ggtggaagaa	aacagcttta	ttgaagaggc	aatgtttacag	ctccgtgact	gctcctgcag	420
agcagggtcg	ccccacaggg	agagagtagc	agctcaggac	agttttgcac	tcataattat	480
aactactttt	aattacatgt	agatgaaagg	tcagtttatg	cagaaatttc	tagggaaagg	540
gtagtaattt	ttgggtcatt	gggtcattgc	catggaaagg	ggcaataaag	cctgagtgtt	600
gtcatggcaa	cagtaaaactg	acatggcaca	cgggtgggag	tgtcttatgg	aaagcgtctt	660
ctgccctggc	tgtgttttag	ctggctctca	atttgggtcca			700

<210> 1771

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1771

agatgaaagg	tcagtttatg	cagaaatttc	tagggaaagg	gtagtaattt	ttgggtcatt	60
gggtcattgc	catggaaagg	ggcaataaag	cctgagtgtt	gtcatggcaa	cagtaaaactg	120
acatggcaca	cgggtgggag	tgtcttatgg	aaagcgtctt	ctgccctggc	tgtgttttag	180

```

ctggctcctca atttgggtcca gtgtccaagc cctgcctctg gagtcgtgtc tggcctccta 240
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aaaaatgagc ctagtttgca tttttcagaa tatgccttta gtgggtccct ataggaacta 540
caataatgtt aggtcactga ctctcagtaa ttagaactgt gctgtccgat agaaacttct 600
gaaatgttct gtatctgtac taagacagca cccactaacc acatgtagct attgagctag 660
tgtgattgaa gaaatgaaaa ttcaatttta tttactttta 700

```

<210> 1772

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1772

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tttttcagaa tatgccttta gtgggtccct ataggaacta caataatgtt aggtcactga 60
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taagacagca cccactaacc acatgtagct attgagctag tgtgattgaa gaaatgaaaa 180
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accagcagtg cctctatgta gggttacctc ccatttctag cccactgtac tcagggccac 600
tggtatctct agttttgaat tgctttgatt ttttttgggt gcacataatc tcaaacttag 660
ctgatcattt caaaagtcaa tggagtgcga aatgaggtag 700

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<210> 1773

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1773

```

cttttaagg aaacttgagg cataaaaagt cccccaacc accagcagtg cctctatgta 60
ggtttacctc ccatttctag cccactgtac tcagggccac tggatatctc agttttgaat 120
tgctttgatt ttttttgggt gcacataatc tcaaactctag ctgatcattt caaaagtcaa 180
tggagtgcga aatgaggtag cacactataa tctctctgta gattgaattc agactaaaca 240
gcagtggagt gttgctggag agcttgtctc atactgagca ggcggcaggg tccatgtcag 300
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cactggtaaa tgttcagggg gagcactcag cttgtcagtg ctgggtcccag gctggcctct 480
gtctggggca agtcctgtcc ctggtacagt atgcccacag ccaggagcat tcatggacca 540
gtcctggggg aatagaagaa aaagctctcc ttagggcaca gtgagcaggc tccctgtggg 600
atggaccttc tctgctggaa actctggagg ctgactctgg agggctaatt gatcagagct 660
gttcgttcct cgctgtgaca tatgggtccg aggc aaagat 700

```

<210> 1774

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1774

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ctggtacagt atgcccacag ccaggagcat tcatggacca gtcctgggg aatagaagaa 60
aaagctctcc ttagggcaca gtgagcaggc tccctgtggg atggaccttc tctgctggaa 120
actctggagg ctgactctgg agggctaatt gatcagagct gttcgttcct cgctgtgaca 180
tatggtcccg aggcaaagat cccatcccta ctaatctctg tacagcccat cagaggcttt 240
atattgttat tctctctctc tctttctctc tgatagaatc ataccttaac cagattgatt 300

```

ataacttttt	ttttgagaca	gcattctcatt	ctatctgggc	tggagtgcag	tggcatgatc	360
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aagtagctgg	gactacaggg	gctcaccact	gcacccagct	aattttttat	tttttagtaca	480
gacagggttt	tgccatgttg	cccaggctgg	ttttgaactg	ctgggctaaa	gtgatcctcc	540
caccttggcc	tcccaaagtg	ctgggattac	aggtgtgaat	caccatacct	ggctaattat	600
aacattttga	aagtactggg	ctcttaggtc	aaaatgacaa	ctagagccag	agaacatagt	660
ttattaaaaac	cattcagctg	aagaggcaga	aaagaacctt			700

<210> 1775

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1775

cccaggctgg	ttttgaactg	ctgggctaaa	gtgatcctcc	caccttggcc	tcccaaagtg	60
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ctcttaggtc	aaaatgacaa	ctagagccag	agaacatagt	ttattaaaaac	cattcagctg	180
aagaggcaga	aaagaacctt	tgaataatct	tgtcatgtgt	cttgagagaa	ccttagtcac	240
taacatcttt	tccaataaat	tcagctagca	aggaggttgt	ggagagaagg	acagatgatg	300
atgatgataa	ttactctcat	tcagaaaatt	gctctgctct	tgtaagtctg	ggatgctttc	360
cttggaggca	cagctatgta	gataatggcc	agcccttatt	cactgctcct	caggccgggt	420
ttcccgggtcc	tcagacaggg	ttccagagga	atgttgcaaa	tcagaataat	acataacctt	480
taacaaactg	tcaactcccc	ctgcacactt	catgccaata	atttactacta	gtaaatcaca	540
gcactcttac	aggtcatgag	aatacagggg	cttagagtga	gcccacctga	cctgcgctat	600
ctcgtcagac	aggtggcctg	cctgtcaacc	tctatgactg	cctaacagct	gcagtaagat	660
aaaggcctag	acagcttccc	agtcaggagg	tatccaaagg			700

<210> 1776

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1776

ctgcacactt	catgccaaata	atttactacta	gtaaatcaca	gcactcttac	aggtcatgag	60
aatacagggg	cttagagtga	gcccacctga	cctgcgctat	ctcgtcagac	aggtggcctg	120
cctgtcaacc	tctatgactg	cctaacagct	gcagtaagat	aaaggcctag	acagcttccc	180
agtcaggagg	tatccaaagg	acagggcaac	catgaggtct	agtctaaatt	gtaggttcca	240
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aaccagtcag	tgctggaaga	tttgactttg	atataatgaa	atcaaacaaa	gaagaattaa	360
tgagagagaa	agagaatgag	agagagacag	aaccagaccc	accaatggaa	ggaatctcct	420
tttctcttgc	ttaaataatga	aaaagcaaaag	gaacaggaaa	tctccaaaaa	gagggatatgt	480
ctgacacctt	gttctatgat	ttttaattta	ttctttcacc	tgaaatcccc	cagatagtca	540
tattgggcaa	gactgaggcc	agaatcttca	aactttgtta	ttcctataac	tgttgtgtta	600
aaactgagtt	gggagggtgt	gggaggagag	aagaggacat	ttctctaaca	atttattaaa	660
taaaaagtaa	ttttctcact	cttcgagaca	tagcagataa			700

<210> 1777

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1777

ttttaattta	ttctttcacc	tgaaatcccc	cagatagtca	tattgggcaa	gactgaggcc	60
agaatcttca	aactttgtta	ttcctataac	tgttgtgtta	aaactgagtt	gggaggttgt	120
gggaggagag	aagaggacat	ttctctaaca	atttattaaa	taaaaagtaa	ttttctcact	180
cttcgagaca	tagcagataa	ataggcacac	tatcatagtg	ctaataaata	ggcttccctt	240
tcatagatgc	taatcgttat	atgataggga	agcttgaaga	attacattag	ttggatagag	300
tgagattttt	ctagagagag	aaaagtgatg	aaagagcagg	gggcagagtt	aaaaacaaca	360
aatccaaca	ccaccagctc	cacaaataac	aagtagcaac	agacaggagt	ggctgggtatc	420

```

aaggaagaga ttggaatcct gagaatgtgc tttttaggac aatggagact caaactccag 480
cacacaggcc caccacaat gaggcaaaaa ctctcccggc ttggaagctg gcctccgcga 540
gttccgtgga ggtcatgcaa gccaggcta ggtcagcatc aggctccagg tgtgttccag 600
gtgtgctgac ccgcagcaga gggcctgtct ggggacgagt cacactcacc accacagcgg 660
gacacacagc actcccggca ccgtcagcgc cagcagcagc              700

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```

<210> 1778
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1778
gaggcaaaaa ctctcccggc ttggaagctg gcctccgcga gttccgtgga ggtcatgcaa 60
gccaggcta ggtcagcatc aggctccagg tgtgttccag gtgtgctgac ccgcagcaga 120
gggcctgtct ggggacgagt cacactcacc accacagcgg gacacacagc actcccggca 180
ccgtcagcgc cagcagcagc atccgccagt ctctgatgaa gtaagcaaac agtggcagca 240
gcatatagcc aactgcaaaa aatgtgcaca ctccaatgt agagaatata atacgaactg 300
acttgccaag aatttctgtt cctgttcaaa acaaggagg agtattagca tattaactca 360
ctttaatat tgctttttat atcattatgt ggcagttaga gttcaaaacta tcaccactta 420
gaaaagggga aaggcatttg cctcatggcc cagagcaggc atggtcaggg tagagggaagg 480
tgggacgtga tccaagactt ggcaacttat agaaggttga atttctatga gattttaatg 540
gagccataga tttattttat tttttttaat taatttatta ttattattat tttttttgag 600
acaaagtctc cctctgttgc ccgggctgca gtgcagtggc gtgatctcag ctcattgcaa 660
cctctgcctc ccaagctcaa gtgaccttcc cacttcagcc              700

```

```

<210> 1779
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1779
ggcaacttat agaaggttga atttctatga gattttaatg gagccataga tttattttatt 60
tatttttaat taatttatta ttattattat tttttttgag acaaagtctc cctctgttgc 120
ccgggctgca gtgcagtggc gtgatctcag ctcattgcaa cctctgcctc ccaagctcaa 180
gtgaccttcc cacttcagcc ttccgaacag ctggaactac aggctgacac caccacgcct 240
ggctaatttt tgtattttta gtagagacag agtttcgcca tgttggccag gctggtcttg 300
aactcctgac ctcaagtgat ctacctgcct tggcctccca aaatggtggg attacagtca 360
tgagccaccg cgcttgccca acttatttta aggccattcc atgtcataaa aatatcatgc 420
ccagcccaa gagctaatac cttctgagaa tgccacattt ccaaaataag agccccaaca 480
tgagaagcag agagagcatt tcaggagaca agcagtggct cttctgaggg gccatgtggg 540
gtcaaggtgt gtgtagcctt tccaacagtt ctgaactgta aataaacaga cattggccca 600
tcaggaagca gtggagagtt catcatttcc aagacctcag ggcacactta cccatgcctg 660
agccctgaga aatcagttgg agtgagctgg ctctggaggt              700

```

```

<210> 1780
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1780
tcaggagaca agcagtggct cttctgaggg gccatgtggg gtcaaggtgt gtgtagcctt 60
tccaacagtt ctgaactgta aataaacaga cattggccca tcaggaagca gtggagagtt 120
catcatttcc aagacctcag ggcacactta ccatgcctg agccctgaga aatcagttgg 180
agtgaagctg ctctggaggt acacagacag gccttcctgc agcatgctgt gccagagat 240
cagcccaggc agacagagtc cacagtccat ttggaccaag gaaagaaaag caggcgctgt 300
tctgctgccc ctgcaggcag cagccctaga cctgtccaca caccattga actcacagt 360
ctttccctga acagcagaaa ggcccatgac tgcttggtgc gggcactgct ttttgggaaa 420
ggacatgcag gcgactattg gcctctgctc tgctcagtgc cacagtgagc agagatggca 480
ccagatggga gtccaagaac aaagctcctt ctcttgctac ggagctctgg gccctttcca 540

```

```

cagagtctgc ccttggttca ctacacctgg ggcggagatg tgaccaatgg caatggctct 600
gccttttgtt ggggatctgc ccatgctata gagaagtggc ctggaagata caaacagat 660
aattcaaagg tcattcatgc ttgcctttta agagagattt 700

```

```

<210> 1781
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1781
aaagctcctt ctcttgtcac ggagctctgg gccctttcca cagagtctgc ccttggttca 60
ctacacctgg ggcggagatg tgaccaatgg caatggctct gccttttgtt ggggatctgc 120
ccatgctata gagaagtggc ctggaagata caaacagat aattcaaagg tcattcatgc 180
ttgcctttta agagagattt tctcagtcac gtttatatgc cctaggcaca ggctaaggga 240
ttaagagcta attccagaga agcagcaaaa ttactatgtt ggctgggttc tcattttacc 300
acctatctgt tcccatccca cccactcat tccccttcac tgttcataac tgagagatct 360
gcctcagtgg gtccctctca agaggccatt taaaaacctg gactgataga aacagccagt 420
actttgtgcc tccctgcaccc catgttggag acaattgccc taaccaccca gagcattgct 480
cagcctataa acccatttcc aaggataggg cctgacttct ttgaggatca tgagtatgat 540
ttccaggtct tttctgacct cattaatgac cttcctgcta tgactgggtt tctaaacccc 600
ttggccgtga ttgtgatgtg gaaataaata gaaggtgctt tattcttaag cagagattca 660
gtggcagagg gtttgatttt ggaaaagaga aagggcgag 700

```

```

<210> 1782
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1782
aaggataggg cctgacttct ttgaggatca tgagtatgat ttccaggtct tttctgacct 60
cattaatgac cttcctgcta tgactgggtt tctaaacccc ttggccgtga ttgtgatgtg 120
gaaataaata gaaggtgctt tattcttaag cagagattca gtggcagagg gtttgatttt 180
ggaaaagaga aagggcgag gatcaagtga gaatcttgta gaattgtgag gccagaggag 240
ctttctccta cttcatgac cttgttaaga aaagagaagt tatactactg ggctccctgga 300
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gtacaaattg aaataattcc tttttagtcc tctcttttag gcagtcaccc 480
ttccttaaac aggatcacca tcttcacagc tagcattttt ttgagtaggt actttgagac 540
aggttccagg ctaagtgttt acatatatta tctctttgac ccttcacacc agttatataa 600
aaactaatat tccaggccag gcacggtggc ttatgcctgt aatcccagca ctagggaagc 660
caaggcaggc agatcacctg aggtcaggag tttagacca 700

```

```

<210> 1783
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1783
tcttcacagc tagcattttt ttgagtaggt actttgagac aggttccagg ctaagtgttt 60
acatatatta tctctttgac cttcacacc agttatataa aaactaatat tccaggccag 120
gcacggtggc ttatgcctgt aatcccagca ctagggaagc caaggcaggc agatcacctg 180
aggtcaggag tttgagacca gcctgaccaa tatgatgaaa cctgtctcta ctaagaatac 240
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aggataatcg cttgaaccca ggaggcagag gttgcagtga gccagatca tgccactgca 360
ctccagactg ggcaacaaga gcgaaactcc atctcaaaaa aaaacaaaaa ctaaaacaaa 420
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cttaaatcca tgcacataat aagtgggtgca ccaggattta agccttattt gctctatgga 540
tactgggtcta cttccaaga aaaaaattac tgggggcatg acttggcctt ataaagcagt 600
tcttcaactg agagtcagat agagacatga ggggagatgg gtaaggccat atcctgctgt 660

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cattttttaca gttttttcttt ttttttctttt tttttttttt 700

<210> 1784

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1784

```
aagtgggtgca ccaggattta agccttattt gctctatgga tactgggtcta ccttccaaga 60
aaaaaattac tgggggcatg acttggcctt ataaagcagt tcttcaactg agagtccagt 120
agagacatga ggggagatgg gtaaggccat atcctgctgt catttttaca gtttttcttt 180
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tgtcactgga agccagccag acccctctga gtaatgctag gagagaaccc tgattacaca 540
gatcttttat ggctgcagc tgccatgagc tttccatgtg gcagtgaaac agatgacaca 600
gcagtgactc ctgctgtgct gacgggggat ccctgtcctg gccccctatg ctctatctgc 660
ctcttctgcc tgctttgctt ctagggcaaa gcctggttgg 700
```

<210> 1785

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1785

```
acccctctga gtaatgctag gagagaaccc tgattacaca gatcttttat ggctgcagc 60
tgccatgagc tttccatgtg gcagtgaaac agatgacaca gcagtgactc ctgctgtgct 120
gacgggggat ccctgtcctg gccccctatg ctctatctgc ctcttctgcc tgctttgctt 180
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aggaaccatg ggctaggagt gtccctccatc tggcacgggg agaacctggg ttccttgatg 600
ctgagttgct actagagtga ctgtgataag ccgtctttca tggagatatt attatgaaga 660
ctgagatcat gtatgcaaaag tgcctaggag ggtgtctggc 700
```

<210> 1786

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1786

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caagactgta gtgcagctgc caggatatga ggcgagaccc aggaaccatg ggctaggagt 60
gtcctccatc tggcacgggg agaacctggg ttccttgatg ctgagttgct actagagtga 120
ctgtgataag ccgtctttca tggagatatt attatgaaga ctgagatcat gtatgcaaaag 180
tgcttaggag ggtgtctggc atgtggcagg tgctcagtaa tagttattct ttatcctgat 240
caagcagttg aaatgtgcta catgtcaggg gagtgatgga aagtacaatg cttttgatcc 300
aaaaaggccc agtggagac agaactcctc ttcagggtt aacagatgtt cccctgctca 360
gggcttcccc tctgtctgca ccaatcactc cagtcaaaaag taacatttcc tatctctgtg 420
tatacccagg aatatgtgcc ccactccctt gacccatgtc cccatgtcca cagtgacagc 480
tgcatgtgct gcagaggcac aaccaggcag tgagctcctt gtgaatagac aggagtaagt 540
tcttgctctt ccctgggtct ccccagttct tccctcttac ggtgcaatgc aaataaggta 600
tgccagcaaa tttctgcac atgtttacgt atttatatgc cagctcatcc cttggagatt 660
ttgaggcaac ttcaaattta aatacaataa aataatggta 700
```


<210> 1787
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1787
 aaccaggcag tgagctcctt gtgaatagac aggagtaagt tcttgctctt cctgggtct 60
 cccagttct tccctcttac ggtgcaatgc aaataaggta tgccagcaaa tttctgcatc 120
 atgtttacgt atttatatgc cagctcatcc cttggagatt ttgaggcaac ttcaaattta 180
 aatacaataa aataatggta acattaaagt aagatataaa gaaaagttaa agttgtgccc 240
 ttggtgaaaa gatcaaaaat acgcagctga ctattttgaa aacagtttgg cagttcctca 300
 aaaggttaaa tatagaatca ccataggacc cagcagaggt cctaccttat acccaagaga 360
 attaaaaaca tatatccaca aaaatactta ttctccaatg ttcatagcat tattcataac 420
 agcccaaaag tagaaacacc caggtgttca atgactgatg aatggatgac cgaaatgtgt 480
 tgtcttcac cagtggaaata ctaattcatg ttacaacatg gatcaacctt gaaaacaagt 540
 ggagtcagtc acaaaggcca cataatatat gattctgttt atatcaaagtg tgcggaatag 600
 ggaaatccat taaaggcaga aagtaaatta gtggttgcca ggggcgaggg gaagagggaa 660
 atgactgcta attcgtatag ggtttctttt cagggatgatg 700

<210> 1788
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1788
 ctaattcatg ttacaacatg gatcaacctt gaaaacaagt ggagtcagtc acaaaggcca 60
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 aagtaaatta gtggttgcca ggggcgaggg gaagagggaa atgactgcta attcgtatag 180
 ggtttctttt cagggatgatg aggagttaga tagtggtgat ggctgtacaa ctttgtgaat 240
 atgctaaaca ccaactgaatt atacacttta aaagtgtgaa tatcatggta tgcaaactctg 300
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 gtataggatt agtgttctta caagaagaga caccagagag tgagctctct atggctcact 420
 ctctctttct tgctttccct ctttctgagc acttgcgagc aggaagacc atgtgaggac 480
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 ctggcacttt gatcttggac ttctaccctc cacaactgtg gaaaataaat tttggttgtt 600
 taaaccacc agcctatagg attttgttac ggcacccctaa acaggcgaag acaaaattat 660
 atttcaactg ttcaatttaa aaacagtaaa aaatatatat 700

<210> 1789
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1789
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 aggtggaggg cattatttct gggcaacagt aggagattgt gaggggagct ggaacgtggg 600
 tagggttagt gtccttgggc ccgagtgggc atttctctct aaaccagcat cattccggca 660
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<210> 1790
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1790

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gtctgcttta tgctgtgtag ggtagcactg ttctttcttt ctcttttcta gtctgctacg 240
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<210> 1791
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1791

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gctgcaactg agggaaagcta gcagccacct tgcctttgta ctgtgtcccc caaccccagg 60
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<210> 1792
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1792

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gcctcaccgg ctcacacagg ggaggcttgg aggtccagga atcacctgtg gccactaaaa 60
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ccaccttgtt cccattccca cggagagagc ttctctggct tcaccgtgac tctctaccct 180
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cagcatgttc ttcccacctt gtctcctccc ttctccctc tgcagacact gaggctgagc 660
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<210> 1793
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1793

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agaaaatctt gccccgctcc ttccccctgc aggaagggga gcagcctcct cccgctgggg 60
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caggaaaagc tgctgagggc cccagggacc tcttcatgac cttgtaactg atgagtcttc 660
ctcatgcagc ctgacaggag atggggctat cagtgtgggg 700

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<210> 1794

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1794

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gcttctctca tttgcccatt cgctgggctc aagagaacac actctctcac tctgtggat 60
gaccctcatc aactcgccctg gagctcacct aactccctcc caggaaaagc tgctgagggc 120
cccagggacc tcttcatgac cttgtaactg atgagtcttc ctcatgcagc ctgacaggag 180
atggggctat cagtgtgggg aggcttgtcc tgtgcttagc tgataggctc tggggtgggg 240
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ggctcagcac agaggtgggt ccctgcgagt gcctgccctg cccctgactt gctccaagag 600
ctgtggctac ggctccctcc caagacacat atatccaaag gctttggaag cacagcccaa 660
tggcccaatg atttcctctt tctgggcctt tcagagggtt 700

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<210> 1795

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1795

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ttcttaatgg ctctgctct tcttctccac cacatttcag ggctcagcac agaggtgggt 60
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ggagacacca tgtctcaaaa gcatggagca gtgtacgcaa ggaccttggt gaaatatgct 660
ctttagaagg agccacagat agatgctacc agcacatttc 700

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<210> 1796

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1796

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atagaatgga	gcacaggtgt	gagcagaaca	gcctttcccg	ccccattttc	caaactcatg	600
tctctggctg	ttggcttggg	ctgggaggct	ttccccagca	ttgccattta	gtacccccac	660
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<210> 1797

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1797

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ctgggaggct	ttccccagca	ttgccattta	gtacccccac	cttcctgcac	tggtcaccca	180
gcacatacag	gggcctgtgg	aatactgtct	cctgggtgctg	tgatgctgcc	tcctcaggcc	240
tgtaaactct	atgagggtca	gagccagcat	cagctctgtg	gccccagtgc	ctggcccagg	300
gtccaagcca	cagcagcagt	gtgtgcacag	ttggggctca	ctgtctggct	gctggctgtt	360
tgcagacaga	tcctgtgcca	tcacccccta	cccctgaggt	ggtggtggag	cagggagggc	420
agtgggtgatg	gcagcgtcat	gttttgtcaa	ggagtctgtg	gtatgaggac	cccactttcc	480
agtgggggtca	gtggccccctc	cccaccactg	gccaaagccc	tgggagcatg	aggctgggag	540
aatggaacaa	aagtgtgtcc	aggtgaaggg	gactgagggc	ggggtgaata	ggagacatcg	600
gggctcctcc	tatcactgaa	tcagtggcct	gagggctctc	cctttctctg	ggtagaaata	660
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<210> 1798

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1798

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tcagtggcct	gagggtcctc	cctttctctg	ggtagaaata	ccctgaattc	agtccagccc	180
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tcctactccg	ctcgcattac	atagcaagaa	gccagccaag	gccatggctg	tgactggtga	660
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<210> 1799

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1799

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cctgaaactc	aggatcctct	ttggaaaggg	aggggtgatgc	tcctactccg	ctcgcattac	120
atagcaagaa	gccagccaag	gccatggctg	tgactggtga	cccctcagct	gtgaggcagt	180

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ccaaagtaaa ggtggcactg catcttcaga agccagccta gtgcgaggagg gaggtgtttg 240
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ttcagccaga gtttcagttt gacttaagtc aattaagcaa catctcaagg gaggtgacaa 660
aaatttcaaa gtgtgttttag tgacctttca tttattaaaa 700

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<210> 1800
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1800
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tgccctaaca agtccctgcc agtgcattcta caaatgagt ttcagccaga gtttcagttt 120
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tatttatatc acaccttatt ctgcagcaga cagagggtgt tataaagaca cacacaagag 480
aaaaatgtaa aacaaaaagc taagggaatt ggggaaaatg gaaaataaag aggaggggaag 540
ttgcaaaaac caagcctggg gtaagactga ccctagacta tcctgtccac gggcctgcct 600
gcttgccaga cggggctcca aaactggctc tgcgtatccc agcagctcag ctctcagaag 660
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<210> 1801
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1801
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gtaagactga ccctagacta tcctgtccac gggcctgcct gcttgccaga cggggctcca 120
aaactggctc tgcgtatccc agcagctcag ctctcagaag ggttacagta tccgaagtag 180
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cgctctgctg ctcaggcaca atccaaggat aaatctcaga ctgtacccag agcaggattg 480
cctgcctggt ggcctctgca tgggcttcag gagaaaggga aatgaatcct ctaaaactgt 540
atggccagat taatgtgttc tgccagtcca tagaccggaa gtggtaaaca ggacgtgtgc 600
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<210> 1802
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1802
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tgccagtcca tagaccggaa gtggtaaaca ggacgtgtgc ctgcattcat ggccatctcc 120
ctccaaaaat aattgtccaa agcttcagat aaaagcttgg gttctgcttc tgacttagag 180
agatgagcaa ttgaggccca aagcctcatg atgtggtgtg acccattttg cagaagatta 240
aactgagact gtgagaatgg gatttgtctg aagtcatagc aagtaaataa gcatgataga 300

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tacctacttg ggccctcagaa cccaatcttg taccagtgtc ctgctttgga cctatactcc 360
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ataccaggag acaattaccc aggactagga gtagaaggcc tccatcacag ccttttagcct 480
cagactgagc caagaagaac tcaagattgg tagaggcatt aacatgccaa ccatcatcat 540
tccatctgca gttgagcaga aaagctcttt caaatataat gtgctctcct ttgtagtctg 600
tcaaataattt ttctgtctgg actttgcctt agggcaggat agataggatt tagagataga 660
aaggaatgga aggctgttag atgtggagcc aggcattgca              700

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<210> 1803

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1803

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tcaagattgg tagaggcatt aacatgccaa ccatcatcat tccatctgca gttgagcaga 60
aaagctcttt caaatataat gtgctctcct ttgtagtctg tcaaataattt ttctgtctgg 120
actttgcctt agggcaggat agataggatt tagagataga aaggaatgga aggctgttag 180
atgtggagcc aggcatgca tgagcaaaagg gtaggactgg gaactggcta cttaatttgc 240
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gccccaaagcc catgaggggt gccatctgcc tttggagacc ctgcttaciaa ccagcagggg 660
aaggcagcta gactgcatgg ctgccccatgg ttgattctag              700

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<210> 1804

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1804

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tcgatggctt tcggtcccat tccctccctg aagagggggc caagaagccc tgtcagcatc 60
atgcagcaca ggaagagcca tgcacacgca gtggccgttt gccccaaagcc catgaggggt 120
gccatctgcc tttggagacc ctgcttaciaa ccagcagggg aaggcagcta gactgcatgg 180
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cacatgtttg tacatacatg cacacacaca tacatacaca tgaccagctc agaggctaata 600
ggcagatgtc ctggttaagga gctggctggc attgcttttg ggggtgtgctt tcaagtcaaa 660
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<210> 1805

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1805

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gttttccttg atgggacaga cctgtccctg tgggtccctg cacatgtttg tacatacatg 60
cacacacaca tacatacaca tgaccagctc agaggctaata ggcagatgtc ctggtaagga 120
gctggctggc attgcttttg ggggtgtgctt tcaagtcaaa tcctaacatt tctgaaacat 180
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gggagtaatg ggaaagacag taacagtgtg tggagtgtc actgagtgcc gtgtattatc 480
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gaaatgaagg cacagagcaa taaagcaacc agcccaagtt ctctagtga attggtaaaa 600
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaattgctta atcattgatt caactgacat 660
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<210> 1806
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1806
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aaaaaaaaa aaattgctta atcattgatt caactgacat tcagcaccta cctgctccag 180
gccaggctct gtgtagggca caagaaagac atgggtccctg ccctcacaaa gctcaaggctc 240
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ttcttgggct gaggagtatc acgcattgca cttggaaaaat caccctcagc cttgaactaa 600
ctctccaagt agccaaagtc tggcagtttt agtttttacc agagctataa aggaccataa 660
agataagtga acccctgtctg acctgcacgg aactgagaac 700

```

<210> 1807
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1807
attaattagg agtcatagaa aatcagcctg gaaaatgtgg ttcttgggct gaggagtatc 60
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tggcagtttt agtttttacc agagctataa aggaccataa agataagtga acccctgtctg 180
acctgcacgg aactgagaac gctggaagggt agcctgggtg tcagcaaaga acacaggctt 240
tctcggggtc tgcaactttg gactgtgtga tgggtgggcaa tccattcacc tctattagcc 300
tgcttcttca ccttcaaaaa gatgacaata atacctgctc ctagggtttgt tgtgtgcatt 360
ggatgggaaa tatcagtggg gctgtgaca cattacaggc ctcatataat ggtagttccc 420
tttctaccag gctcatacta gtagagcatt ttatttgtcc tgagcaaaat catgacttgg 480
aacacatgga cgaataagca aagcagggtta cacttaaadc tgactaagag aaagaaattc 540
taagaaataa aaattattcc agtccattac taaaagctag aaaagctctt ataaaaggga 600
tttgataaat ggaattcaat cccagagatg actgtgagtg aaaaattagc aatggctcctt 660
ttaagaataa aagattgatt tctatagtat cctctcatag 700

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<210> 1808
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1808
aagcagggtta cacttaaadc tgactaagag aaagaaattc taagaaataa aaattattcc 60
agtccattac taaaagctag aaaagctctt ataaaaggga tttgataaat ggaattcaat 120
cccagagatg actgtgagtg aaaaattagc aatggctcctt ttaagaataa aagattgatt 180
tctatagtat cctctcatag ttatccttta ttctagagaa aagtaagaag tagtagttaa 240
taatggacta tacatccacc ccagttctat ctttgtcact tgattgtgac ttaaagctgg 300
gaattccttg acaatatgaa aaaacaaaac aaagaaaaac aaaaacaaac atgggctagtt 360
aattactttt ttgtaacaac tttattgaga tatgatttat acaccataac atttactctt 420
ttaaggtata caaatcaatc attttttagta tattcacaga cttcagcaac catcagcaat 480
gatctgattt tagaattttc atcacccttg aaagaaaacc catacctgtt agcagtcact 540

```

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cctcattcgc tacttctctt agcccttga aaccactaat ctactttctg tctctatgaa 600
tttgcctatt ctggacattt catataaatg gaatcataca atatatagtg ttttatgact 660
ggcttcttat acttagctcc ttttctaagt ccatccatgt          700

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```

<210> 1809
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1809
atcaccccttg aaagaaaacc catacctgtt agcagtcact cctcattcgc tacttctctt 60
agcccttga aaccactaat ctactttctg tctctatgaa tttgcctatt ctggacattt 120
catataaatg gaatcataca atatatagtg ttttatgact ggcttcttat acttagctcc 180
ttttctaagt ccatccatgt cattgtgcag tgtatcagca cttcattact ttttatgggt 240
taataatatg ccatggtttg ggctgggtgc ggtgggtcac acctgtaatc ccagcacttt 300
gggaggccga ggcgggtggg tcacctgagg tcaggagtcc aagaccagcc tgggtaacat 360
ggtgaaaccc tgtctctact aaaaatgcaa aaattagctg ggcacgggtg cacgtgcctg 420
taatcccgag tacttgggag actgaggcag gagagtgtct tgagcctgga ggtggagggt 480
gcagtgagct gagatcacac cactgcactc cagcctgggc aacaaagtga gactccatct 540
caacaacaac aacaacaaca actatatata tatatatata tatatatata tatatatattc 600
acggtttggg tctaccacgt tttcaatgat ctgttcatca gttgataagt agttgggttg 660
tttccacttt ttggctacta tgaataatgc tgctgtgaac          700

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<210> 1810
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 1810
cactgcactc cagcctgggc aacaaagtga gactccatct caacaacaac aacaacaaca 60
actatatata tatatatata tatatatata tatatatattc acggtttggg tctaccacgt 120
tttcaatgat ctgttcatca gttgataagt agttgggttg tttccacttt ttggctacta 180
tgaataatgc tgctgtgaac attcatgtac aacattttgt gtgtacatgt tttcatttct 240
ttgggttata tacatagtag tgaaattgtt gggtcatacg gtaagtatat actcaacctt 300
ttgcagaact cctaactctgc tttccaaagt ggctacacca ttttacaatc ccaacagcaa 360
tgaatgaggg tttcaatttc tccacattcc taccagtact tgttattgtg tgtctttaat 420
tttagtcatt gtagtgggtg taaagaggta tctcattgtg gttttgattg catttctcta 480
ataactaatg ttgaacatct tttgcattga atctattgat caatttggag agcactgcca 540
tactaacaat aagtcttctg ctccatgaac agaacatggg aagcttttcc acttggttaag 600
gccttctgga atttctttca atgacatttt atagttttta aagtatacat tttgcaaatt 660
tttgggttaa tttatttctg aagtgcctcc tttaatattt          700

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<210> 1811
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 1811
tttgcattga atctattgat caatttggag agcactgcca tactaacaat aagtcttctg 60
ctccatgaac agaacatggg aagcttttcc acttggttaag gccttctgga atttctttca 120
atgacatttt atagttttta aagtatacat tttgcaaatt tttgggttaa tttatttctg 180
aagtgcctcc tttaatatatt cttgtaagac atcactgcta gaaacaattc tctcaagttt 240
tgtgtatttt tgaatttctt tatctcagtt ttgaaagaca gttttgttgg atgcatgatt 300
cttggtgac agtttctttt ttcccttcagc acttagaata tgccactcca ctgccttctg 360
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cctagtcata tatttgctgc tttcaaaaatt ttcccttcgt ttttgtctct ttttttattt 480
aagcagtttt accatgatat atcagggtgt ggatctcttt gtgatcattc tatttggagt 540
ttgttgagct tctgaaagggt gtagattaat gttttccacc aaatttggga agttttcagt 600
cattatttct ttgagcattt tttctgccct tttctctctc tctcctctcc tagtaattct 660

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attatgcata tattgctatg tttaatggtg ttccccattt

700

<210> 1812

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1812

atcaggggtg	ggatctcttt	gtgatcattc	tatttggagt	ttgttgagct	tctgaaaggt	60
gtagattaat	gttttccacc	aaatttgga	agttttcagt	cattatttct	ttgagcattt	120
tttctgccct	tttctctctc	tctcctctcc	tagtaattct	attatgcata	tattgctatg	180
tttaatggtg	ttccccattt	ctctgagact	ctatacattt	tctttattcc	ctttttcctc	240
tctgttcttt	ggattgcata	atttccaatc	ctctatcttc	aagtttgctg	attctttctt	300
ttgcctgttc	aaatcttctg	ttaaggccct	tgagttactt	ttaaatttca	attattgtat	360
acttttactc	cagaagttct	attcagttgt	tttgtttgtt	taagagacaa	ggtctctttc	420
tggtgccag	gctggggtg	aactcctggg	cttaagcaat	cctcctacct	cagcctcctg	480
agtaactggg	actataggca	catgccatca	tgtctggctc	agcttttaaa	aatataaatg	540
taatttttct	ctctttattg	ctattctcta	tttgatgcaa	tattgtcatc	atacttttaa	600
aagcatgact	tcctttcatt	ctttgaacat	atttataatg	gctgccttat	gccttaaagt	660
ctgttaaaat	ctgacatgtg	gaccctctca	ggcagttact			700

<210> 1813

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1813

catgccatca	tgtctggctc	agcttttaaa	aatataaatg	taatttttct	ctctttattg	60
ctattctcta	tttgatgcaa	tattgtcatc	atacttttaa	aagcatgact	tcctttcatt	120
ctttgaacat	atttataatg	gctgccttat	gccttaaagt	ctgttaaaat	ctgacatgtg	180
gaccctctca	ggcagttact	gttgccacg	ttttccccc	atgtataggt	catatttttc	240
tgtttctctg	catatctcgt	aatttctggt	taaaaactgg	acattttaga	taatataattg	300
tagaaattag	gtactgtcac	attcttccac	ccccatttcc	ctgatctttc	ttcttcttct	360
tttccgagat	gaagtctcac	tctgttgccc	aagctagagt	acagtggcat	gatctcggct	420
cactgcaacc	tccacctcct	gggttccagc	aattctcctg	cctcggcctc	ctgagtagct	480
gggattacag	ggacctgcca	ccatgcccag	ctaatttttg	tatttttagt	agagatgggg	540
tttccccaca	ttagccaggc	tggctcctca	ctcccgccct	cagggtgatcc	acccgccttg	600
gcctcccaaa	gtgctaggat	tacaggcatg	agccaccacg	ccagtctgat	ctttctatta	660
agctgtctgt	gtctgctggt	atcacacca	gctgttagcc			700

<210> 1814

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1814

ccatgcccag	ctaatttttg	tatttttagt	agagatgggg	tttccccaca	ttagccaggc	60
tgggtctcaa	ctcccgccct	cagggtgatcc	acccgccttg	gcctcccaaa	gtgctaggat	120
tacaggcatg	agccaccacg	ccagtctgat	ctttctatta	agctgtctgt	gtctgctggt	180
atcacaccca	gctgttagcc	tcactaattg	ctagccagtt	gcctcattca	tttcaataat	240
gccctggggg	catatattgt	cccacagtct	aatccagttg	acgtcaagcc	tctttgcagt	300
ggtagttttt	gaggcaaata	tataaggttt	gttttgactc	cagaagggtc	gctcttagct	360
gtctctttct	tgttttggtt	gtttgtttgt	tttctgtttt	ttcctggtaa	actagctgca	420
ttatgggttc	atttggtgct	ctaattggagt	taccagaatc	cttttagttg	cttaccacta	480
aattctccat	tgttcttgag	agcaatctta	ggctgtcctt	tcacacactc	tatttcaaat	540
aaagtctggt	cctgtgggga	cagctttaga	actctgttct	tttggattat	ctctccccgc	600
tgggcaaaat	atctgagctc	ctgttgtaga	gaggtaggca	gggaaagcgg	cccatttatc	660
tcagaatgac	acccctactt	tatgagtcag	acactgagtg			700

<210> 1815
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1815
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 cagcttttaga actctgttct tttggattat ctctccccgc tgggcaaaat atctgagctc 120
 ctgtttaga gaggtaggca gggaaagcgg cccatttatc tcagaatgac acccctactt 180
 tatgagtcag acactgagtg gaagtgggag cttggtgtgg aatctctgcc gtatgaatga 240
 gctgggataa gggcaatcaa ggctctaata ttctcaactt gtggcacctg gagtagagtc 300
 tctactatat gaataggcgg tgggtggagg atgggaacct atgatccctt gggtgactc 360
 acgaggattt taccttctgt gggttggagc taagagaata cagggatggg tgggggatgg 420
 gcattggttg tccctcttgg tgggtgctg tagcccttcc ttggaagctg atgggagaga 480
 gaacagtatt ttcttggcca taccaccta gagtggaaact tccatttttc ttgtgctggg 540
 aggaagggga aggggagggc tgaaggagtt atgactcaaa tatcatagac ttcactgttc 600
 ttgccaaggt atagtcgact ttcttgaata aatatatgcc cttaggacaa cttccagaga 660
 ctctaaatgt gtgtgtgtgt gtgtgtattt tcaccagtta 700

<210> 1816
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1816
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 tgaaggagtt atgactcaaa tatcatagac ttcactgttc ttgccaaggt atagtcgact 120
 ttcttgaata aatatatgcc cttaggacaa cttccagaga ctctaaatgt gtgtgtgtgt 180
 gtgtgtattt tcaccagtta tggctgtttc actgaggagc tggctctatgg cgctggcgct 240
 cctcacactg ctaacttcga agtctcagaa tcttttcatg tgctaattga tttgtatttc 300
 tttggcaaaa catctattct ccaaaatggg caaatgattt tatccatttt taaatcaggt 360
 tgtcttttta ttgctgagtt atcagagtta tttttatatt ctagatacaa atcctttatc 420
 agatatatga tttgtcaata ttttctccca ttttgtgggt tatctttttg gctgtttaat 480
 tcttctactc atattttcat ttacaaacaa ctaagccaga aggctgctaa gccttaaaat 540
 gttctcagta tctttctttc tttatattag aaaagctacc acagatggaa aagcctcact 600
 gatgagttct gtgatcattg gaggtctaac caaagcagaa gaaccagtga gtgtgagtgg 660
 gaagataggg atgggagtggt aggggctgtg ggaaggagaa 700

<210> 1817
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1817
 ttacaaacaa ctaagccaga aggctgctaa gccttaaaat gttctcagta tctttctttc 60
 tttatattag aaaagctacc acagatggaa aagcctcact gatgagttct gtgatcattg 120
 gaggctaaac caaagcagaa gaaccagtga gtgtgagtgg gaagataggg atgggagtggt 180
 aggggctgtg ggaaggagaa gggctactca gggacctggc tgtgccccct gcacccctgac 240
 aatggatcca ccacagctct accagtctgt attaggggaa catgagcaaa tggcatcgtg 300
 tctgtgccag tcaccaagca ctgaggggaa gctctggaag ttgccgcctg aacctgccct 360
 ccagtcttgc aaatgctgag caggagccac cagccttgga ctgtctgtgc ttcttgcctag 420
 agcatgtggg tcattccagc ctttccccag aacgtccatt ctctccacac cttcttcatt 480
 ccaaatgggg atccttgccct ttcttttggg ctccagagac atgcataaaa ccacaacaca 540
 gcttttagaaa acaaggcaca cctgtattag tcttacacct aaattgaatg cagcctgcca 600
 taaggaggga attacagtcc ttctagaggc ccaaggtacc tgcagctccc cctgaccagt 660
 cctgtcaaaag ccttgttttt gtcaaaatgc caccttgagc 700

<210> 1818
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1818
 ttcttttggga ctccagagac atgcataaaa ccacaacaca gcttttagaaa acaaggcaca 60
 cctgtatttag tcttacacct aaattgaatg cagcctgcc a taaggaggga attacagtcc 120
 ttctagaggc ccaaggtacc tgcagctccc cctgaccagt cctgtcaaag ccttggtttt 180
 gtcaaaatgc caccttggac tctgtctgag agttctgctg cccaccaaga gggatggaca 240
 aagtctgttt atccagaaac ttggcaggag gtgcagggtga agcagcctct gaacaaaagc 300
 atattctgag atcctggtgg ctggtgtcag aggaacacag cagagaggca aacagtttgg 360
 ggtgaggcag ctgataaaca aacagggaag cacattcagg ccagagcaag gggaagcccc 420
 tgagtctcct ctatgtgctc tctggcaaga tctactttct gaagcattga ctggaaatag 480
 aagtctcgcc gggctggctg gagccagagg cccccacacc ttatccccct tggaaatctgc 540
 cagagggcag gtctgagtat ggacttggat gatcaacttg gttaatatc aggtatctt 600
 gacagtctcc acaccctga gcaatgtccc agggcagcct gcaggcctga tagaaactcc 660
 acaaacctgc ctatcacgga aggttttccc cttttgtcgg 700

<210> 1819
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1819
 gagccagagg cccccacacc ttatccccct tggaaatctgc cagagggcag gtctgagtat 60
 ggacttggat gatcaacttg gttaatatc aggtatctt gacagtctcc acaccctga 120
 gcaatgtccc agggcagcct gcaggcctga tagaaactcc acaaacctgc ctatcacgga 180
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 gctatgtgaa gtcccacata gtggcagccg catgtgaggg ttagtctgtt tcattattcc 300
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 ccttcgccac ataacctggc tcgcctctgg gttatgggtg gggaaatcagt aagtcctact 420
 gctgttcagg ccctgacccc agttcccagg aaagcacaa gctagtgcc ccagaggtcc 480
 aggccttttg ctggaggctc catcaactcc actaccagt ggctaccagc agctccacta 540
 ggggttcctag aggaggcagc ccagctgcag aagaggacag gaggatctac ggtgtggcag 600
 cagccctgtc ttagatcact ggtggcctgc aaagaaggct ggtccttaac acacaagggt 660
 cccccagggc ctctggagca caagacctgg cagaagtgg 700

<210> 1820
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1820
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 ccagctgcag aagaggacag gaggatctac ggtgtggcag cagccctgtc ttagatcact 120
 ggtggcctgc aaagaaggct ggtccttaac acacaagggt ccccagggc ctctggagca 180
 caagacctgg cagaagtgg atccagctta gaggtgactg cctcagttt cccagcccat 240
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 cacttccttc cccaacagaa gcttcagtc caaccagggt cccaccagtc cctgcttgcc 660
 ttctgtctca actgctgcct gatggaaaac ttagcaacga 700

<210> 1821
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1821

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ctatatatga agggccatgc ccatggagac tgagatctga cccctgcagt aggtctcagg 60
gatgaggacc ccagcatcag acactctggg ttgcttgggg cacttccttc cccaacagaa 120
gcttcagtcc caacccaggc cccaccagtc cctgcttgcg ttcctgctca actgctgcct 180
gatggaaaac ttagcaacga gctgtgactg gcactcctcc cgcaggggta aacacagact 240
cctctagccc tgactgcaga gacagataaa ggcccttacc ctggatatct acattctcta 300
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ggatagcatt agtttataac tgatgaaata aaataagtat gtatgaacct gtactgatat 420
aagttaacaa ttgcatacat taataaatag atgtggaggg gaagctcttc ttctcagaag 480
aattccaatt aataaatggt gaaggaatca gaaaatgcaa aatcatcact aggcaaactg 540
cagtaataat tgtttcagtc aagacctagt gatgaatgct aaaatcagtg aataaaaaatt 600
tgaggagaca caggattttg tataatctcg aagaacctcc cttaagatat ttattagtga 660
cagaggaaaa aatagtacct ttacagcaga gaaattccac 700

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<210> 1822

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1822

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gaaggaatca gaaaatgcaa aatcatcact aggcaaactg cagtaataat tgtttcagtc 60
aagacctagt gatgaatgct aaaatcagtg aataaaaaatt tgaggagaca caggattttg 120
tataatctcg aagaacctcc cttaagatat ttattagtga cagaggaaaa aatagtacct 180
ttacagcaga gaaattccac agacaccaac ttgacaaatg atcaaggtta acatcaccag 240
taataagaca catcagcatc atgtaccac tggtatgatg cccagagaat gcatcacttc 300
taaggatatca ttacaaaaaa gtgcataacg caatctaatt gtgagaaaaa tcatgccaac 360
ccaaactgag gagcattcat caaaaatactc ataaaaatgt caagatcatg aaagataagg 420
aaagactaag gaacaatcac agattggaga ctgagacatg acaactaaat acaaatggg 480
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acaaagtctg tagttcagtt attactattg taaccaatgt taatttcctg gtttgataa 600
atgcataacg cgtattttaa ttgttaacat cagagaaagc tagatgaagg gtatatgtga 660
aatctctgta ctattttcaa acttctctct aatcaaaaag 700

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<210> 1823

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1823

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atagaaaaag ggcagtagta gaaaaactgg tgaaatccaa acaaagtctg tagttcagtt 60
attactattg taaccaatgt taatttcctg gtttgataa atgcataacg cgtattttaa 120
ttgttaacat cagagaaagc tagatgaagg gtatatgtga aatctctgta ctattttcaa 180
acttctctct aaatcaaaaag ttatttcaaa ataaagttaa aaaataatcg ccaggcgagg 240
tggtcacgac ctgtaatccc aacactttgg gaggccgagg caggtggatc accttaggtc 300
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aacaacaaaa caaacaaaca aaaaactagc cgggcatggg agcaggcccc tgtaatccca 420
gctactcggg aggtctgaggc aggagaatcg cttgaaccaa ggaggcagag gttgcagtga 480
gccgagatgg caccattgca ctctccacc ctgggcaaca agaacgaaga aagaaactcc 540
atctcaaaaa aataaaataa aataaaataa aataaaataa aacgaaaaat aatttgactc 600
ttagtaactg cacaggttga aaaacttggc cctcacaatc aaccctgaa gaaggaaact 660
accttatata catgtacaca cacagacgaa tgcactcacg 700

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<210> 1824

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1824

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ctcctccacc ctgggcaaca agaacgaaga aagaaactcc atctcaaaaa aataaaataa 60

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aataaaataa aataaaataa aacgaaaaat aatttgactc ttagtaactg cacaggttga 120
aaaacttgga cctcacaatc aacccctgaa gaaggaaact accttataca catgtacaca 180
cacagacgaa tgcactcacg caaaccctaa ctcagacacc ttattgctac ctccctggcat 240
actatgaaag gcatttctac agcacagcat gccatccttg gttcctggct aaccctgtcc 300
tcctgtgaag aggtgttggg gggcagttca ggcagacttg tctgtcccca aagatatgcc 360
cattgggaga tcctggcacg gcagtataag gcaaagacac aatctgagga cagtcccact 420
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tacactggca ctggccaagt cagtatgggt ttggacttgt gttctattct ctgaggcttg 540
gaactgccac tgtggggaga ggggctcagc ctccagcaag tcccatcacc tattacacag 600
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<210> 1825

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1825

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<210> 1826

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1826

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ttgccctgtc acccaggctg gagtgcagag atatggtcat agctcactgc aacctcaaac 600
tcttgggctc aagtgatcct cctgccccag cctcctgaga agctggaact acagtcacat 660
gccctcatgc ctggctaatt ttttatttat tttttgtaga 700

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<210> 1827

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1827

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tgtttaaaaa caacaacaac acttttttag aggtggggtc ttgccctgtc acccaggctg 60
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cctgccccag cctcctgaga agctggaact acagtcacat gccctcatgc ctggctaatt 180

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cccctctggg ggagagccat ccattccatcc tgcttaccct ggtacttgc tcttccctc 600
ctcctcccaa ccaccagagc ccagtttttt gttgtgtgtg ttgtttgttt gtttgttttg 660
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<210> 1828

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1828

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ccctctactg agtctgactc cagaactctg tgtgctgccg cccctctggg ggagagccat 60
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ccagtttttt gttgtgtgtg ttgtttgttt gtttgttttg agacacagtc tggctctgtc 180
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gatgatgtac atccttagag gtccctgtga acagcgtaca acatgagtag ctatggactt 600
ggaggccagc agctactcac ccctcacgcc ctacagtga caaaaccagc gagcaatgga 660
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<210> 1829

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1829

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gccaaaaaaa gcaaatcctg gtgcatgtgt gtgaatgtgt gatgatgtac atccttagag 60
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ccctcacgcc ctacagtga caaaaccagc gagcaatgga aaagcagaca ggtcagccca 180
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tgtcctccga ataaagtcag ctcctcagta tacatagaag gccactatga actagccctt 660
gtggccattt ctagtctcat ttgtcatatc tgtcatccct 700

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<210> 1830

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1830

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ttcaaaactt cctcactggt cttcttgttt atcatagcag cttagagttag ctctttccaa 60
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ctcctcagta tacatagaag gccactatga actagccctt gtggccattt ctagtctcat 180
ttgtcatatc tgtcatccct tgagttccag ccactccgat atatgagaat tccattacct 240
gaatttccca tactcttgcc tagacaggtc ttgtctacat tttcagaatc agctaaaatc 300

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taaccagggt	taatgttagc	cttctcagta	acacagccag	tgtgccccat	gggcatctga	480
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gtctgatgac	cgctataccg	tgctgaggga	aagggataag	ggactagcag	aggccactca	600
ggtttttctt	gggaggagca	tgaggcagag	gagggactag	cagcagggaa	atcctacctg	660
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<210> 1831

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1831

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tgaggcagag	gaggggactag	cagcagggaa	atcctacctg	cctgaccaat	agcaggcaac	180
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tgtggccagg	gaacagacaa	gatttggccc	cgccctgccc	agtaacaagg	tcctcacac	600
ccctcctccc	atgcctggca	ggaagggtgac	tcaggcagtg	cgtctgggta	gcctgggctg	660
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<210> 1832

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1832

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ggaagggtg	tcaggcagtg	cgtctgggta	gcctgggctg	cgcttcccc	aacgcaacat	180
ctaggttctt	aggaaaacttc	atttggtgtg	aaaatcggaa	atgaaaagac	agttgggtgac	240
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gagtcctatt	ctttcttggg	gtgcacaccc	gctgctggaa	gtatgaacag	caggtttgag	360
ggggagggga	gcgctgaccc	gggcactgcg	cagggagtc	caaggggggc	tgacgcagag	420
ggagggtcag	gcaactcccg	gtcaacggtc	tcggcctggc	acccacctcg	gtcacgcagg	480
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gccccaggtc	cacgtcgcgc	cccggctcca	gcccagagcg	cgagaagttg	gcgatggtgg	600
cgagccggta	gcggctgcag	ctgtggggca	cctcgcggcc	gtcccgcagc	cgagcgggga	660
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<210> 1833

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1833

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ctgtggggca	cctcgcggcc	gtcccgcagc	cgcagcggga	cactgttggt	gcgccaggcg	180
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gttcccggga	gctcgcgctg	agcttgatgc	cactgtacac	ttgggaccac	acccccatcc	600
ccggccgggc	gcggggaagg	ggagggcggc	ccagcccggg	aggctgggct	cccggctgtc	660
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<210> 1834

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1834

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tcggaggggt	cgccctcga	tctgctcggg	ccgcgtggcc	ccgggcccag	accccgagcag	420
ggttccctcc	gcgggtctct	ccaatctgga	ggctgagctt	aggctgccac	gcgtggggcg	480
cggagggggc	agtcagtgga	gtcggttccc	gggaaacttc	tgggggcggc	agagcgacag	540
gagcgcggcc	tctcctgtgg	cgctcgcgc	aggcggctgg	cacacgccga	cagggagctc	600
atctcccaac	agtcctagca	gagctgaatt	cggtcacccc	tggcggcgcc	cggacagcgt	660
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<210> 1835

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1835

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gagctgaatt	cggtcacccc	tggcggcgcc	cggacagcgt	cctcaggaca	gccaggaccc	180
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gggtccatgg	gcgggcgggc	gccaggacat	ggagcctgcg	cattgcggga	gcacagtcac	420
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atctggcgct	cagacccggc	agggtaacca	aagcagggac	cacagcctcc	cttttttttg	660
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<210> 1836

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1836

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agggtaacca	aagcaggggc	cacagcctcc	ctttttttgg	ctcagtgccc	agacctaaag	180
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agtctgacct	ctcctcttag	gaggacttcc	caccccttg	gaacctcagt	ttcctacctg	420
taataagact	atacatcctg	atgtgtctagg	acagctctga	tttatgccta	ttaatccagt	480
gaaattatta	atagagcctc	cctttacttt	cacaagtatc	cttcttcgaa	tgatatatta	540


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tggtcattat cttacttagc ttggggtttca tctccctact ccaccccata taatagagca 600
aagttggaga caagaacgta tataaggtcg tttattctga gtaatgatac cataaaacag 660
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<210> 1837
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1837
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tataaggtcg tttattctga gtaatgatac cataaaacag aagtgagggga ctagggagga 180
gagtgaacag agagggaggt aaagccaaca tagactgtga aattgagatg gttattggcg 240
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atttcttggg gcctccttaa atttgaccca gagacaagtg ccttgctctt tttcctcacc 480
tcagccttgt ctcaatcccc attgctgtgg gttactgagg tttaatccca ctgggggctt 540
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tgcttgact tccagattag cacataagtg agggctgaac aggtaccact cgactatttg 660
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<210> 1838
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1838
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cacataagtg agggctgaac aggtaccact cgactatttg ccattgctca caagtgtatg 180
taaattctcta tctggaattg ttttgtctc catacaaaat gaatgaacaa gtatactgct 240
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<210> 1839
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1839
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tttttttttt tttgagagag attctcagtc tgtcaccag gctggagtgc agtggcacaa 180
tcacagctca ctgcagcctc aacctcccta ggtcgaagca atccttctac ttcagcctcc 240
caggttgctg ggactacagg caaacacctc cacaccagc taattttttt ttctttattt 300
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aaaagtcgaa tatctctctg ctgcatggcc ttgctccaga actttagaga tctgtgctga 600
aactctttta ttagggcatg tcagagactc tgccctgtag cttattcat catgtatgcc 660

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tctagcccca ttgtatctgc tggataatat gaaccaaagt

700

<210> 1840

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1840

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tcagagactc	tgccctgtag	ccttattcat	catgtatgcc	tctagcccca	ttgtatctgc	180
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tatttttatc	tgctatcctt	tggcatacat	gtgtctttac	taggacatct	agagttcttg	660
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<210> 1841

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1841

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tggcatacat	gtgtctttac	taggacatct	agagttcttg	cttcttcttg	cttactaggt	180
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ggctttcatt	tggcccttcc	taccttaagt	gctcttaata	aaataggag	taaatgttag	540
tgactgcca	gttgctacaa	catctgtcct	agttattttac	ttagggataa	ggaaattagt	600
acagtgtgga	tcttcagact	tctggatctg	tttgcaagag	tactccattt	acctggcttt	660
catgagcctc	tgtcacgggg	ggaccatgat	agtgtttccc			700

<210> 1842

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1842

taccttaatg	gctcttaata	aaataggag	taaatgttag	tgtactgcca	gttgctacaa	60
catctgtcct	agttattttac	ttagggataa	ggaaattagt	acagtgtgga	tcttcagact	120
tctggatctg	tttgcaagag	tactccattt	acctggcttt	catgagcctc	tgtcacgggg	180
ggaccatgat	agtgtttccc	cccagcactg	atgccagctc	atactctgta	cccaatagcc	240
tttgaaagtc	tggttctttt	tcttccccct	gaccagagtt	actatgataa	atggccacag	300
atctctcatg	tggaaagatt	ggggaaataa	ttatcttgta	tacctttggc	agcattggag	360
ggctcttcta	taaaaaggct	tggcctttcc	ttaaataaat	aggctctgag	cctgagaact	420
ggcctagatc	aaggaaaatt	atgaggaaat	actattttcc	attatggcag	ctgtcatctg	480
ccttctgctc	atgagccctt	gattttgggg	attgctgttg	ttacagtcaa	gtaatacaca	540
gtcatctgcc	aatttagtta	actctaggga	cactatgggc	tattagccat	tgccatagat	600
agaccctatg	ggtcaaagca	cttagctgcc	actttgggtt	tgtggtaatt	attattatta	660
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<210> 1843
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1843
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 actctagggga cactatgggtc tattagccat tgccatagat agaccctatg ggtcaaagca 120
 cttagctgcc actttgggtt tgtggtaatt attattatta ttatttttag acggagtctc 180
 actctgttgc ccagggttga gtgcagtggg gcgatctcag ctactgcaa gctccgcctc 240
 ccagggttac gccattctcc tgcctcagcc tcctgagtag ctgggactac aggcacctgc 300
 gaccatgtcc ggctaatttt ttgtattttt agtagagatg gggtttcacc gtgttagcca 360
 ggatggtctc gatctcctga cctcgtgac caaccgcctt ggctcccaa agtgctggga 420
 ttacaggcgt gagccaccgc gcctggccat tttgtgataa tttttatatac taccctgcct 480
 ctgttgattg ttacccatct ggtctctgca attccagggt cctaccatcc ccactgacac 540
 taagaattcc tcacctttac atgttgtgtt gcctcgggtga aaagagtggc ctctggactt 600
 cccatgggaa tgtagtcttc tagtaggttc tctgatcttg cataataact acaatctaac 660
 atgctaattcc ctctgagact tctgactcct tcagtattct 700

<210> 1844
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1844
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 atgttgtgtt gcctcgggtga aaagagtggc ctctggactt cccatgggaa tgtagtcttc 120
 tagtaggttc tctgatcttg cataataact acaatctaac atgctaattcc ctctgagact 180
 tctgactcct tcagtattct gccaaaggaag tttctggcat ctctacttca tttccgaagg 240
 tcgtaattgt gtccaagttt caaagaagca tctcagaagc atgtgaaaat ggttttatgt 300
 atccttgatt ggatgttaat ccctgaataa tgagagtgcc ccagattga tacattctta 360
 caaccctctc ctacaccccc tgttatccct gttcctgcc caacataggc cccgtaattt 420
 tttcaatgtg tatgtatttt gcttataaat cagatactgt atttctccac ttaggctgtg 480
 ctgagacctc accctagtta ttggtctgca ggcaatgaag ggaggtaggg gatatggagg 540
 agaataagca tcatcgttgg ggccttgcc ttaggaggag tcttggcagg attccaggca 600
 aggagaggct tgtctcctat agcaggagaa agatagctgc ttctgctggc cttgaagggt 660
 taggagaatc caggaattca aaattctcac attaatctat 700

<210> 1845
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (700)
 <223> n = A,T,C or G

<400> 1845
 ttggtctgca ggcaatgaag ggaggtaggg gatatggagg agaataagca tcatcgttgg 60
 ggcccttgcc ttaggaggag tcttggcagg attccaggca aggagaggct tgtctcctat 120
 agcaggagaa agatagctgc ttctgctggc cttgaagggt taggagaatc caggaattca 180
 aaattctcac attaatctat tcaaagtgtc ccattctttg ttccagggtt ccatatgttt 240
 cctatcaggg ccactgactcc attgtagaaa gttagagctat cacagctgtg aatcccttcc 300
 ttgcagggtc gccttctagg accactctta tgtcgactgt cttagcccag atttctcct 360
 gaaagcaaag cctgagtcaa gagtttgtgt gttaggtgatt tatttgggaa tggatccaaa 420
 ggaacaggaa taagtgactg gggagagtaa aacaggaaa aagggagcc aatataagag 480
 tgcagaggcc agatgtggtg gctcacacct gtaatcctag cactttggga ggccgagggt 540
 ggtggatcat gaaatgagga gttcaagacc agcctggcca agatggtgaa accccnnctn 600

nctactaaaa atacaaaaat tagccangcg tgggtggcaca cacctntaat cccagctact 660
 ngggaggctg agncagnana attgcttnaa cccnnggagg 700

<210> 1846
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 1846
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 gttcaagacc agcctggcca agatggtgaa acccnnctn nctactaaaa atacaaaaat 120
 tagccangcg tgggtggcaca cacctntaat cccagctact ngggaggctg agncagnana 180
 attgcttnaa cccnnggagg cagagggttg aatgagccaa gatcgcgcca ctgcactcca 240
 gctggggcga cagagcgaga ctccgtctca aaaaaaaaaa aaaaagtga gagtctcaga 300
 ccagcccgaa gagctgcagc cgctttttgc gccctccctg ccttcccat cctccctgcc 360
 gacatcatgc tccagttcct gcttgaattt actttggcaa tgtgattgga atgtatctgg 420
 ctcagaacta tgccacgcca aacctggata aaacacttga tgaaatgaaa aagggcaatg 480
 ccgagaaaac cccctagtt catgaggccg actccagcac tgccttctgg atacactgat 540
 tgcaccactc ttgagggcct cctttaccat ctcaaccaa ggcttttgtt ttcactctca 600
 acctcagcga ttttcgtctt ggctagaccc ggtgctgcct taggacaaaa atagggccac 660
 aagttaagaa ctacctatgt agtgtgacag atccccctgcc 700

<210> 1847
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1847
 catgaggccg actccagcac tgccttctgg atacactgat tgcaccactc ttgagggcct 60
 cctttaccat ctcaaccaa ggcttttgtt ttcactctca acctcagcga ttttcgtctt 120
 ggctagaccc ggtgctgcct taggacaaaa atagggccac aagttaagaa ctacctatgt 180
 agtgtgacag atccccctgcc aggtgtgtta agggtnacatg tccactgcct gaaccctgaa 240
 ggccaggcaa tgagccaagg ccattggtgta tagctgagga ataggtgtcc ctgggaaccc 300
 aaacatcctg gagaatagct gagaacctac caagggaac agtcccatca cacacacata 360
 gtaggtaag agacagaaaa ttagcttaga gatgggagggt ggcacggatc tctaaagctg 420
 tcccgtgcc attcaggagt gcctcatgca taagtccctaa taaactcatc tactagccaa 480
 gctgaacttg tcccagacat gcttggtctc tttgctccct cccagtttgg ggtaagggtt 540
 tttttaaata caattccagg tttttctcat tacaattgct gtcattgagc ggatctgaga 600
 aaccaatgga tgaattagga aggcgcactc gcggggagaa tcctagggtg gttggcaaca 660
 tgcattgtgc gtggagttgc ccgactgctc aatcttcaca 700

<210> 1848
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1848
 gcttggctctc tttgctccct cccagtttgg ggtaagggtt tttttaaata caattccagg 60
 tttttctcat tacaattgct gtcattgagc ggatctgaga aaccaatgga tgaattagga 120
 aggcgcactc gcggggagaa tcctagggtg gttggcaaca tgcattgtgc gtggagttgc 180
 ccgactgctc aatcttcaca ggccaccgtg gactctggga aaactactggc agaaactgaa 240
 tcacctattg taagaagtta agatattaaa atacgataaa gataataaat gtgctattgt 300
 tgcaataagg gtagctactg agaaatcatg agagcaggaa agggagaaaag ggtaaaaact 360
 cctgcagaag gtgaaaggca tgccaggttt tctaggacac cagcagggtta catatgatgg 420

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cctattcttg tgcacgttct aaaactgatg ggcaaataac aacaacaaca aaaaaaaaga 480
gctcaaattg ttaagctgca actatagagt taaatagcat cttcatatgc tctctgtttc 540
tctctttctt ttcccacatg ctttgaatct gctgttatta agccaccgtg ttgagataaa 600
actcactggt tatggtaaca ctaattcaag gttatttgga gattttgttt ttcttataca 660
attaagccag ttctagttaa aatgtaaaca ataaaaatgaa 700

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<210> 1849
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1849
actatagagt taaatagcat cttcatatgc tctctgtttc tctctttctt ttcccacatg 60
ctttgaatct gctgttatta agccaccgtg ttgagataaa actcactggt tatggtaaca 120
ctaattcaag gttatttgga gattttgttt ttcttataca attaagccag ttctagttaa 180
aatgtaaaca ataaaaatgaa aacgaaaagg aaaaaagagg tttttaaaaa tcaaaactgcc 240
atggaaactt ctttccccc aattttgatc cacagctttc cttggattac ctatcagggg 300
aaatagagct tagccataac aggtcccaat tttgtcaaaa gtaatttggg tccaactgtc 360
ttttgtaaaa acaacaaatt tattatattg tctcatggct agagtctga agtaaaatta 420
tcagatcttt gtgtatgtat gtatatacat gtttaaatat attatatatg tgcattgtatt 480
atatgttcta acatgctacc aaataaaatt atagataaat ggggtataaag tccaaatgct 540
tttcaagtct acaggaattc aataatcttt gctaaataag ttggctttta aattattagt 600
aaataaaaaat aaagatatct tcaaaagtgt cagcatacat ttttgtctga gtcttctgat 660
aaaatacact ttatatttgc ctctgctaga tacttttaaag 700

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<210> 1850
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1850
aaataaaaatt atagataaat ggggtataaag tccaaatgct tttcaagtct acaggaattc 60
aataatcttt gctaaataag ttggctttta aattattagt aaataaaaaat aaagatatct 120
tcaaaaagtgt cagcatacat ttttgtctga gtcttctgat aaaatacact ttatatttgc 180
ctctgctaga tacttttaaag ggtcagggtt ttacatgaaa gttagaagac tgtaaaccga 240
gccaaaaata aaatgatctt tgtctgtatg atttttttga taagcaagac taattcgata 300
ttgttggttt aatgaaaaca actgaatttt ctgagttatc agcaggaatc cccatgtgtt 360
taacttttaag gctcttgctt agatgaacac ctgatattca caagctatga aaatggttaa 420
cagggaaata acttgcaatg acgattagct ttgttgactg tcttggttct cacaagtaat 480
ctagataaac tgctaaaaat gaataaaactg agtacatgta aatgagataa atgtgtgtag 540
gtgaaaattc tgtatagttt aaaaatcttaa aattacttta ggtactcatt gaatgtctag 600
gtcatttcca gtttaaaaag ggttatgata tgggcgaggt atttgtggac cttaatgagc 660
tagataaaaa caaggactgg gccgggcgcg gtggctcacg 700

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<210> 1851
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1851
gaataaaactg agtacatgta aatgagataa atgtgtgtag gtgaaaattc tgtatagttt 60
aaaaacttta aattacttta ggtactcatt gaatgtctag gtcatttcca gtttaaaaag 120
ggttatgata tgggcgaggt atttgtggac cttaatgagc tagataaaaa caaggactgg 180
gccgggcgcg gtggctcacg cctgtaatcc cagcactttg ggaggccgag gcaggcggat 240
cacgaggtca agagatccag accatcctgg ccaacatggt gaacccccgt ctctactaat 300
aatacaaaaa ttagctggac gtgggtggcg gtgctgttag tcccagctac tcaggaggct 360
gaggcaagaa aagctcttga acttgggagg cagaggttgc agtgagccga aatcatgcc 420
ctgcactcca gcctggcgac agagtggagc tctgttgcaa aacgaggacc aagtccagga 480
aataatcaaa gaacaaaaag gggatgagcc aattgaatgt acacttgccc tggatataggc 540

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aggcaattaa cacgaaaaaa taccacctgc caggggggatg ctttgaaatc acctgaacaa 600
tccaggaatt acataaggca caaatagtcc agagcaccta taacagccct atgtggcctg 660
caaagaagcc atatgatacc tagaaaatga cagtaaaactg 700

```

<210> 1852

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1852

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gggatgagcc aattgaatgt acacttgccc tggatataggc aggcaattaa cacgaaaaaa 60
taccacctgc caggggggatg ctttgaaatc acctgaacaa tccaggaatt acataaggca 120
caaatagtcc agagcaccta taacagccct atgtggcctg caaagaagcc atatgatacc 180
tagaaaatga cagtaaaactg ccgtgagcta aacagagtga tgccccccgt acctgcagct 240
gtacccggta ttgctcagct gctagagcaa atggctcctta agctgggaaa tgtccatgct 300
gtgattaatt tggctaattgc cttttaaaagt atttcttttag cagacgattc acaggagcag 360
tttgcatcca tttgggagggg caaacaatgg attttccagg tgctaccaca agaatatctg 420
tgcagcccca ccgtctttca tgatatgatt gcacaggacc tgtctagatt cttgcctacc 480
tcagtcttcc tgttttacca tactgataat ataatgttaa cctcagaatc tcttacaat 540
ctggagactg ccctgcacac catcttagac agcctaaaaa ggacagggaa tgggaagtca 600
acccccaaaa catacaaggg cccagtgtag ccatcaaatt cctaggaatt acctggatgg 660
gtaagacacg aaacataccc agagctgtta ttgataagat 700

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<210> 1853

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1853

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tactgataat ataatgttaa cctcagaatc tcttacaat ctggagactg ccctgcacac 60
catcttagac agcctaaaaa ggacagggaa tgggaagtca accccccaaa catacaaggg 120
cccagtgtag ccatcaaatt cctaggaatt acctggatgg gtaagacacg aaacataccc 180
agagctgtta ttgataagat agcacagtag cctattcctc agacaataaa gcaacttcac 240
gttttcctag gtttattagg ctactggaaa atattcatct ctcatttgac acaaaccctc 300
tggccttcac acaccctagt aaaaagggat gcaaaatggg actggacaca taaagagcaa 360
gaggcatttg acaaagcaaa aatgttggtt aaacaagccc aagcattagg tgccccacag 420
ccacagcacc cttttgcatt agaagtcact agagataccg cagggatgaa atgggtgtttg 480
tggcaaaagc aaccaacagt aatgggtactt gtaagatttg gtctcaatta tgggaaggggg 540
cataatccca ctatatagtc ctggagcaat aactctggct gtatataggg cattgcaaca 600
aatggaggcc atcaccagaa agcaaaccat cacaataaaa acttcctctc ctataaaaagg 660
ggagatggag ggccttctag ccaagcccat ctctgggatg 700

```

<210> 1854

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1854

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aatgggtactt gtaagatttg gtctcaatta tgggaaggggg cataatccca ctatatagtc 60
ctggagcaat aactctggct gtatataggg cattgcaaca aatggaggcc atcaccagaa 120
agcaaaccat cacaataaaa acttcctctc ctataaaaagg ggagatggag ggccttctag 180
ccaagcccat ctctgggatg atacaatcac acactgctga agtggcatgc ctatctacaa 240
cgaagggtgt cttgtccatg agtcctgtaa gtcaggcacc acagaaaatg ctgagacca 300
tccactttga acaagtggaa ggggccgaca tggcaatgaa tctacctact aggccaacca 360
tcatatatga agggattcca ttgataccca ctagggccta atacactgat gggcttagca 420
aaggcaccga acaccaatgg ttggcaatca tgggtgaatat ggacactgac aacatatggg 480
tagaatggga attaggacaa agcagtcaat gggccatgct acaggcagtt tggatactca 540
tcaccacaaa gccctggcca ttagtcattt gcacagataa ttggactaca tacagaggcc 600
ttaccatgtg gatcaatcag agtgccacag acaattggca agtttggggc aggatcctct 660

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ggggaatgac catgtggcaa gacatccaca tcaggttaca

700

<210> 1855

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1855

agcagtcaat	gggccatgct	acaggcagtt	tggatactca	tcaccacaaa	gccctggcca	60
ttagtcattt	gcacagataa	ttggactaca	tacagaggcc	ttaccatgtg	gatcaatcag	120
agtgccacag	acaattggca	agtttggggc	aggatcctct	ggggaatgac	catgtggcaa	180
gacatccaca	tcaggttaca	ggaaagggat	gtccatcttg	tgatgtacca	tatggatgca	240
catagcccaa	acaaccttct	ggaaatcaaa	aggcgaatgg	ccttactcat	tcacgtgcag	300
gcaatttgcc	caagcccatc	cgaggaaatg	ccgtatgtgc	acatcataaa	aacggccacc	360
aggggcaatc	acagagtggc	ccatagcaaa	agcagcaggc	atccctatcc	aataagcaaa	420
tgttttggca	gctgttcaga	accatgagat	ctgctcacia	ctgtgacctt	gaaagattcc	480
ctccacacca	ggtcacatac	attgagccat	acaaactatg	tgagcctggc	aagtcaattg	540
tattggtccc	ctgccccaga	atagaaagaa	aaggatgccc	ttacttcta	tggacacaac	600
ggggctgcta	caggccttcc	caataaaatg	tgccactcaa	ctggagatca	tcaaattgtct	660
cactgctctt	ttgtgtgtgt	gtgtgtgtga	cagaatcttg			700

<210> 1856

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1856

attgagccat	acaaactatg	tgagcctggc	aagtcaattg	tattggtccc	ctgccccaga	60
atagaaagaa	aaggatgccc	ttacttcta	tggacacaac	ggggctgcta	caggccttcc	120
caataaaatg	tgccactcaa	ctggagatca	tcaaattgtct	cactgctctt	ttgtgtgtgt	180
gtgtgtgaga	cagaatcttg	ctctgtcccc	caggctgggg	tgcagtgggtg	cgatcttggc	240
tcactgcaac	ctccgctctt	caagtagctg	ggatcacagg	tgcccacctg	taatacaaaa	300
acgcctggct	aatttttata	tttttaggag	agatgggttt	tcaccatgtt	ggccagggtg	360
gtctcgaact	cctgacctca	agtgatccac	ccacctcagc	ctcccaaagt	gctgggatta	420
caagcgtgag	ctaccatgcc	tggacctcac	tgtctttaac	gtcatgtatg	gcataccaaa	480
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gaacaaaaca	tagactgaaa	gttccactta	ccatataacc	caacaggggc	aggccttaca	600
tgcatgtctt	taggactgga	ctaagaatct	ccctgtaata	caaattttta	atgtcaccca	660
ctaccatgca	tggcatcact	tcctgtgaat	ggttggcaag			700

<210> 1857

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1857

gcccccaattc	acaggccata	atattaaaca	ctgggcatca	gaacaaaaca	tagactgaaa	60
gttccactta	ccatataacc	caacaggggc	aggccttaca	tgcattgtct	taggactgga	120
ctaagaatct	ccctgtaata	caaattttta	atgtcaccca	ctaccatgca	tggcatcact	180
tcctgtgaat	ggttggcaag	gtttgtaaac	caggccccac	aaactcttgg	ggttacctct	240
gagactcaga	tccatgatcc	tgaaacaaat	ggccagactt	tgccccctgag	cacatcagtg	300
gatctaccaa	gtggcgatgg	ctacatggac	ccaaagttga	gctggaaaat	gcccccatat	360
tagatcgatt	ttatagcgct	ggaggacacc	atgaagactg	actgagggga	aatggtccca	420
gccgtgctcc	ctgatggaga	tccgagatac	tgacgttatc	aacatgcagc	aacaccaaca	480
cctgctagat	gcgttaaatg	tggatagcac	aggcaaggcc	agaaatttac	caattggctt	540
tatgcccacc	cctgtggagg	gaaaccctat	atagtactgt	aagccaggct	cgaggccag	600
ggcatctgcc	ctaatagggc	caatgggaaa	aatgattatg	ttagcaataa	ttaagttaca	660
aggaatagat	atacctatga	gggtttctac	taaacgcctg			700

<210> 1858
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 1858
tggatagcac aggcgaaggcc agaaattttac caattggcctt tatgcccacc cctgtggagg 60
gaaaccctat atagtactgt aagccaggct cgaggcccag ggcatctgcc ctaatagggc 120
caatgggaaa aatgattatg ttagcaataa ttaagttaca aggaatagat atacctatga 180
gggtttctac taaacgcctg tgtttatgcc caaaggccat ggcttctgct acccatggta 240
gntagtaatg tcttcctgga ctgggctgca gctgcagcaa cagtcaacaa ccagccctgt 300
tactgggtat agggatacct cccctgtgca aatgataatg gcatgccttg gaatattctg 360
cctttctccc aacagaactg gaatgattgc ttcaacagca tcaataaggc aatccggctc 420
actggggact gcctccacct ggaggccaaa ttgccaatat gacagagacc aaacaacata 480
cgctcctata ggactacact gttatttctc tgataaagag aatcatgtca cagatgcttt 540
aaatcatttg tcaactcaga tccatgatat agttcaatta gggtactttg actcattctt 600
aaattaggta cacagcttac ctacttgctg gaattatggt ttgctaatag gcatcataat 660
tataganagc ttctgctttt tatgctctta tgtataccat 700
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<210> 1859
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

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<400> 1859
gttatttctc tgataaagag aatcatgtca cagatgcttt aaatcatttg tcaactcaga 60
tccatgatata agttcaatta gggtactttg actcattctt aaattaggta cacagcttac 120
ctacttgctg gaattatggt ttgctaatag gcatcataat tataganagc ttctgctttt 180
tatgctctta tgtataccat ggaagtggcc tgtatccaca aactgtggnt atacattata 240
gacctctata gctcttcccc tcgtttcctg ctcagggact ctcgagcaag gttgggtggaa 300
agaatataag agctggggaa tgggatgaat tgaagtatga cagggtcccc ggccagggtga 360
ctcaagggtg tatgtccgct gcctgaactc tgaagatcag gtgatgacct aaggccatgg 420
taccagcca aggagcaaat gaccctgagg acccaaacat cccagagaat agctgagaac 480
ctaccaaggg aaagagtccc atcacacaca cagaagaagc aaagagccag aaaattagct 540
taaaagcagc ttagggatgg gaggtggcac agatctctaa agctgtccca ctgccatcca 600
ggaatgcctt gtgtgtaagt ctcataaac tcatttgctt accaagctgg acttgtctga 660
ggcactcttt ggtctcttgg ctccctctca atttgggaga 700
```

<210> 1860
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1860
atcacacaca cagaagaagc aaagagccag aaaattagct taaaagcagc ttagggatgg 60
gaggtggcac agatctctaa agctgtccca ctgccatcca ggaatgcctt gtgtgtaagt 120
cctcataaac tcatttgctt accaagctgg acttgtctga ggcactcttt ggtctcttgg 180
ctccctctca atttgggaga aggtattttt tttaatacaa ttttggggtt ttcttgttac 240
attaccctta tatttccgac atccttatct cttccacat cttcctttca gccgtttggg 300
```


aggttctaag	actggaatta	cgggtgctaga	ttagtgaaca	tgaccttta	tgagtgtct	360
ttcccttatt	ctttgggatt	ttgactacct	tttgtcagat	gaaaaattgg	tgagttttgt	420
gtagctgatt	ggatgcaaat	aatgctgatt	tcacatttta	gcaaagatgc	ttgttaaaca	480
tttggtacga	aattgtgttg	tttctaagta	attaaaatct	atttagaagc	caaagaagaa	540
gaagaggaag	aggaaagaag	aagaagagga	agaggaagaa	gaagaagaag	aagaagaaga	600
agaagaagaa	gaagaagaag	aagaagaaga	aaagaagaag	aagaagaaga	ggaagaagaa	660
gaagaatgca	gcagtagggt	gtttacagat	gtaagaaatt			700

<210> 1861

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1861

tttctaagta	attaaaatct	atttagaagc	caaagaagaa	gaagaggaag	aggaaagaag	60
aagaagagga	agaggaagaa	gaagaagaag	aagaagaaga	agaagaagaa	gaagaagaag	120
aagaagaaga	aaagaagaag	aagaagaaga	ggaagaagaa	gaagaatgca	gcagtagggt	180
gtttacagat	gtaagaaatt	tgggtatggg	tctcagaaat	gtccatcttt	aaggttcaga	240
agtagggaat	atttaggtct	gggctggaga	tacctatttg	ggagtgggtca	taactgcaga	300
gttcctgagg	cccttggtgt	gacagcagag	ccagccaggg	ttcctgggtg	caagcatgct	360
cacagaattg	atgggaaagc	tgaggtactg	ctgagataag	cagaaatcag	ctgttgagga	420
tggcaccgcg	ctgggaagta	gacagaccag	agtggagccc	taacagggca	gcctgcttca	480
gactgagcct	gaaggggagg	agtggctcct	tgactgggcc	aggtggcctc	tgatcactgt	540
cctcccagaa	caagtccagt	gtggctggag	taagagcaca	aaaggagggt	agggacagtt	600
tagaagggat	gtggttatta	gacagcgcaa	acagcacaaa	caaccctaga	caatgagcat	660
ctggggagga	atggaggagc	taggacaggg	ccttgaggag			700

<210> 1862

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1862

agtggctcct	tgactgggcc	aggtggcctc	tgatcactgt	cctcccagaa	caagtccagt	60
gtggctggag	taagagcaca	aaaggagggt	agggacagtt	tagaagggat	gtggttatta	120
gacagcgcaa	acagcacaaa	caaccctaga	caatgagcat	ctggggagga	atggaggagc	180
taggacaggg	ccttgaggag	tggtgcctca	ggggcaggca	agagagtgga	caggaaact	240
ggctgggaag	gcacaggggtg	acaggactga	ggagaaagag	acttcttcca	cccagaaatc	300
tctttctggg	tggtgagaca	gtctccagca	attggagaga	gagccctggg	ggctgggaag	360
gggccagctc	aggctgtctc	tcagcaggct	cctggaacca	cggagggtca	gtgagtgggtg	420
gggatgacct	atttagccgg	gatcatgacc	agacgagtga	gtcaagcagg	catggtggta	480
ggttcatgca	tatcagagtt	ggtgatcagg	tgctgtggca	ccagccttgt	ccacactcag	540
atccaaagct	tcaggggtca	cctttacttt	gcccagcttc	caccattcca	tgcccatgac	600
aaaaagttgg	taaggttgag	cctgcactct	gggctgttct	ggggaccttg	ccaagtggaa	660
acagatcagc	acccttcaga	aatggcttgg	tcagagtcac			700

<210> 1863

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1863

ggtgatcagg	tgctgtggca	ccagccttgt	ccacactcag	atccaaagct	tcaggggtca	60
cctttacttt	gcccagcttc	caccattcca	tgcccatgac	aaaaagttgg	taagggttgag	120
cctgcactct	gggctgttct	ggggaccttg	ccaagtggaa	acagatcagc	acccttcaga	180
aatggcttgg	tcagagtcac	taaaccattg	gtaggcaggc	aacactctcc	atggaagact	240
ggtatgcgcc	gttacttttg	ttgcccctgc	catggagatt	tgctagggtg	tgtgtgacct	300
tggcaagttt	tttaaccttt	ctgagctcat	ccataaaatg	gggataataa	ccatacttcc	360
tttctgggtg	gtatgaggat	taaaaacaat	catatcgctc	actaagggtc	tggagatgaa	420

```

ggcctgggac acattagctc ccataatagt tattatccaa ctcccttccc ttcttctgag 480
actgtgggtg tgctccagct tcccatgaaa attcaattac agaccaagaa caccctggat 540
ggcagctgag tggtcttgca ctgcagccat tgtcagtga gctggtgtgt gtgtgcgtgt 600
gtgtgtgtgt gtgtgtgcgc gcgcgcgcgc gtgggtgtcg ggggtggtgc atcagcctct 660
gagcttggct caccgggcct gacagacca cttagggtct 700

```

<210> 1864

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1864

```

tcccatgaaa attcaattac agaccaagaa caccctggat ggcagctgag tggtcttgca 60
ctgcagccat tgtcagtga gctggtgtgt gtgtgcgtgt gtgtgtgtgt gtgtgtgcgc 120
gcgcgcgcgc gtgggtgtcg ggggtggtgc atcagcctct gagcttggct caccgggcct 180
gacagacca cttagggtct ggttaatgcg gtttctgagc ccacatggct gagaccgact 240
ccagaccctg caggaccag tgaggtctct agcagctctt cctgggattt ctagtctctg 300
cattccagcc acaaatggat gtatgtcaga cactagcaaa gttgagggtt ggtttctgta 360
gggaccctaa tagtttccca cttgtggtag aggggacaca ggaggacagt gcttgcttat 420
tagagaaaac tcttcactac ccttaaacct ttttagaggt tccacctcca ttcagatgtg 480
ctgtgggaat gttgttagaa agacagatta ttctgtgaga aaatgataaa ccaggaagtt 540
acatgaaaag caagtcaggg gtcggcctgg ggtgcaagac aagaagttgg gtaagaatga 600
gttgtccagg atagcactgg agtgcacgta gctggacagg ggcaccaga ggtggagggg 660
aggtggggca ctcccaggt ggggcagagg gactcagggc 700

```

<210> 1865

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1865

```

agacagatta ttctgtgaga aaatgataaa ccaggaagtt acatgaaaag caagtcaggg 60
gtcggcctgg ggtgcaagac aagaagttgg gtaagaatga gttgtccagg atagcactgg 120
agtgcacgta gctggacagg ggcaccaga ggtggagggg aggtggggca ctcccaggt 180
ggggcagagg gactcagggc ccacagccca ggcttctggg catcatggtg tgggtgcaagt 240
cacaacactg ctcccaccca tccaactcag cagttcaagg gctgtgagcc cagggccaaag 300
ctagcacacc ccttagaggg gctgagtcct tggccatgaa gggagggctg gcttgaagct 360
gcatctgggc tccgcctacc ttcaccctt tctttggttc tctaggagga aagtatcaaa 420
taacaaagct tgtcactcag agaaccagaa aggactccat ttgtgtttca acctccttgg 480
aggggtcaagg aagcctgcaa gagtcttgag gagagtttga tggggctgaa cttacagata 540
agcacaatga gagttacaga ggcacaagtt gtccacagag gccagcaggg gctgtgtacc 600
tcatgtggcc ctgtgagctg ggatttggaa tttagactct gtcctaagag cagtgaggag 660
ccatggaaac tataatagga aagattgaca ggaattgca 700

```

<210> 1866

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1866

```

gagtcttgag gagagtttga tggggctgaa cttacagata agcacaatga gagttacaga 60
ggcacaagtt gtccacagag gccagcagg gctgtgtacc tcatgtggcc ctgtgagctg 120
ggatttggaa tttagactct gtcctaagag cagtgaggag ccatggaaac tataataggc 180
aagattgaca tgggaattgca cttgaaaaac ctcctttagc tgttatgtag agaaaggatt 240
gagggagggg ccaggcagga gacagggaga caaggcagag gcccttacac tgttcagcat 300
gagacagtgg cgtctggact ggggagagtg ggctagtttg gaattagtta gggatgaacg 360
cagtcagtct tgctaactgg ttttactgcg tctacctttg ccccttaggg cctattctcc 420
atacagcaga caatgtgatc ctagttaaaa cataattcca ggtcatgccg ctctctggc 480
ttttcatctc agagtaaaa tcaaagtcct taccatggct gtaggagAAC agcctgttgc 540

```

```

gtggcaagaa tgatgctttt tttttttttt ttaacagggt ctcactctgt tgcctaggct 600
cgagtgcagt ggcaagatca tagctcactg cagcctcgaa ctcttgggct caaggggtcc 660
tcccacctca gccttctgag tagtttggaac tatagggtgca 700

```

```

<210> 1867
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1867
tcaaagtccct taccatggct gtaggagaac agcctgttgc gtggcaagaa tgatgctttt 60
tttttttttt ttaacagggt ctcactctgt tgcctaggct cgagtgcagt ggcaagatca 120
tagctcactg cagcctcgaa ctcttgggct caaggggtcc tcccacctca gccttctgag 180
tagtttggaac tatagggtgca tgccgccaca gctggctatt ttttttttca tttttatttt 240
ttctagaggg ggggtctcgc tatgttgccc aggttagtct caaactcctg gccttgaaag 300
atcctcccgc cttggcctcc caaagtgtg ggattacagg tgtgggccac tgttccaggc 360
cacttgatcc aaaaccaccg taatgaccaa tgtttgacct ctagatgcca agatattcat 420
cagcaagatc tttaaacaat gcctgtagaa tagaaaactc ttcataaaga tgcttattta 480
acctctccag tggtcacgag tcttggcaag aaagtctgaa gacgggacca gctgcacatg 540
ttttacccta agagcttgct atataaagga tactttctgg aaggctgggt ggtgtgagga 600
ttcagtcttg cagccactcg agacatcact tctgttcgta agtccctctt atataattct 660
ctctgagaaa atggatttgt caacctcttt ctttggcttc 700

```

```

<210> 1868
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1868
tcttggcaag aaagtctgaa gacgggacca gctgcacatg ttttacccta agagcttgct 60
atataaagga tactttctgg aaggctgggt ggtgtgagga ttcagtcttg cagccactcg 120
agacatcact tctgttcgta agtccctctt atataattct ctctgagaaa atggatttgt 180
caacctcttt ctttggcttc tcagctctct cggcctttgg gtttgcatag tcctgctatc 240
catggaacaa tggctcaca gggccaacac agccttgtct cctcacatc tctctgacga 300
cctcatctac tacttccagc cacctcactt atactacttc agtactgct tgcctagggc 360
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tatcttacca cctcagttct ctgccaaat gttaccttat ctgtgaggcc tttccagatt 480
ccatatatga agagaatccc ttatgctcta ctgtaatgcc ttctttattt ccttgatagc 540
actgcttata gcctgtagtt attttacatg ttctgtcaaa atgttttctt aggggtgcaac 600
acaatgcctg gcatacagaa ggttcttaat aggtattttt gttttttgag acagagtctt 660
gctctgtcac ccacgctgga gtgcagtggc gtgatcttgg 700

```

```

<210> 1869
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

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<400> 1869
ttatgctcta ctgtaatgcc ttctttattt ccttgatagc actgcttata gcctgtagtt 60
attttacatg ttctgtcaaa atgttttctt aggggtgcaac acaatgcctg gcatacagaa 120
ggttcttaat aggtattttt gttttttgag acagagtctt gctctgtcac ccacgctgga 180
gtgcagtggc gtgatcttgg ctcactgcaa cctccacgtc ctgggttcaa gcaagtctcc 240
tgcttcagcc tcctgagcag ctgggactac aggtgattgc caccacacnc gggataattt 300
ttgtattttt agcagagacg gggtttttgc atgttggcca gactgggtctt gaactcctgg 360

```

```

cctcaagtga tccccccac cttggcctcc caaagtgctg ggattacagg cgtgagccac 420
tgtgcatgac cttttaataa atatttagtt gactgagtga gttgaggttg aggatgcagg 480
agggagcagg tgccctccag gacagcagtc cccaaccttt tcggcaccag ggactggttt 540
tgtgaaagac aacttttcca tggatggagg gcagggatgg tttcaggatg attcaaacac 600
attacactta ttgtgcactt tttcctatt attattacat tgtaatatat aatgaaataa 660
ttacatgact caccataatg tatggtgaag gaagccctga 700

```

<210> 1870

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1870

```

gacagcagtc cccaaccttt tcggcaccag ggactggttt tgtgaaagac aacttttcca 60
tggatggagg gcagggatgg tttcaggatg attcaaacac attacactta ttgtgcactt 120
tattcctatt attattacat tgtaatatat aatgaaataa ttacatgact caccataatg 180
tatggtgaag gaagccctga gcttgttttc ctgcaactag atggtcccat ctgggggtga 240
tgggagacag tgacagatca tcagacgtta gattctcata aggaatgtac agcctagatc 300
ccttgcttgc acagctcaca atagggttca tactcctgga atcctagaat cctagaatcc 360
ctactcctag aatcctagaa ttagagaatc taatgccact gttgatctga caggagatgg 420
agctcaggtg gtaatgcaag caatagttag cggctgtaaa tacagatgaa gcttcactcg 480
cttgcaagcc actcacctcc tgctgtgcaa cccaatttct agcaggccat ggtctatggc 540
ctggggattg aagaccctcg ctccaagact tacctccac tgagaactca ggcaggatgc 600
ttggaggtga ggtgaaaggt agtgggagga agggaagccc agtgtatgtg tgagtgggtg 660
tgtgtgcttg tgtgcctgag tgaggggtgg tgcttctcca 700

```

<210> 1871

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1871

```

tgctgtgcaa cccaatttct agcaggccat ggtctatggc ctggggattg aagaccctcg 60
ctccaagact tacctccac tgagaactca ggcaggatgc ttggaggtga ggtgaaaggt 120
agtgggagga agggaagccc agtgtatgtg tgagtgggtg tgtgtgcttg tgtgcctgag 180
tgaggggtgg tgcttctcca ggaccctgt acctccagt tcctggcctg ggtggaggct 240
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aggcaccagg caaaactgga agggatggga tggagggcat gtggatggaa actattaact 360
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ttgaagagtg agtaggagtt tgctgagcca tgacaaaaga agaaaggcat tttgagcttc 480
agaggtctga gggctatgaa aaggtggact agctcagagg atgctggact ggactgtctg 540
ctgtagcaga ggaggtgaga caaagtagtc agcagcccga ggtcagagag gctttaaatg 600
ctagtgggag gaccagggac tccatcctga gggccccgag gtcagagagg ctttaaaacg 660
ctaggcagag gaccaggaac tccatcctga gggccctgag 700

```

<210> 1872

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1872

```

aaggtggact agctcagagg atgctggact ggactgtctg ctgtagcaga ggaggtgaga 60
caaagtagtc agcagcccga ggtcagagag gctttaaatg ctagtgggag gaccaggagc 120
tccatcctga gggccccgag gtcagagagg ctttaaaacg ctaggcagag gaccaggaac 180
tccatcctga gggccctgag gtcagggaga ctttaaatgt taggaggagg accagggact 240
ccatcctgag ggccctggaa gagttgaagc aaaggaatga gagattcctt cagctgccct 300
gaaatgggtc taaaaatgct tgggaggcaa aatcctagac acagtgtctg gtaggatgtt 360
atggctggca tgaggggtgta gaggatgata tccatgtctt tgggtctgaa gccctgagg 420
taaggaactg ggccctgggg ttcgagggat gtagcaggtt tggggacaac agtgaaagtt 480

```

```

ggttctagcc aggtaggctg gagcctggag cactgtgaat tggggatcct ggatctgggt 540
ccccctcctg gagagagact ctgatgtccc ctgtctcagt actgggaccc tgggccatac 600
aaaccttgct ctatgaggac cctgtcccaa gcttttcatg gtcgactaca ctcaggggccc 660
ctgggcagac gaggtgggct gggggactgg gtagaggctg

```

```

<210> 1873
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1873
gagcctggag cactgtgaat tggggatcct ggatctgggt cccccctcctg gagagagact 60
ctgatgtccc ctgtctcagt actgggaccc tgggccatac aaaccttgct ctatgaggac 120
cctgtcccaa gcttttcatg gtcgactaca ctcaggggccc ctgggcagac gaggtgggct 180
gggggactgg gtagaggctg ggccttgaag ctggggaaag gacaaatcag gctgtcagct 240
ctgaatgcc a ccccccttag ctgccctcca agccaccccc aaccaggatg cccaggcagg 300
ggctgctgta gttgctgcaa ccctgaaggg gtggagctgt tgatctcggg gtagcctatg 360
gtggcaggga gcctcttggg tggtagtttc tgttggggga aggggttatt gcatgtcatg 420
ggattaaggt gaggaccagc agctagtggg tctgtggtgg ccagtgggag agtcgagttt 480
ctgcgggtga gtgggagtga gaggtggggg ccaggggcca tggctcccgg tatttttcca 540
cccactcctg tgcttaataa tgcttccctg ctttccctggg tgccagtcac cctctcctct 600
cccacctatg actgggtggg gctgggacca agtcagcggg ggcagggtgg gcaggcaagg 660
gcagactcct ccaccacccc accctatttg ggtgtggctg

```

```

<210> 1874
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1874
gaggtggggg ccaggggcca tggctcccgg tatttttcca cccactcctg tgcttaataa 60
tgcttccctg ctttccctggg tgccagtcac cctctcctct cccacctatg actgggtggg 120
gctgggacca agtcagcggg ggcagggtgg gcaggcaagg gcagactcct ccaccacccc 180
accctatttg ggtgtggctg caggggagcgt gtgtgcgtgc acacctgcgc agcgctacgg 240
tggggcgccc tcagggcctc aacgcacaca gtctgacccc ttgggaagca aaaggagaca 300
agggccagac atgatctggg gtcaccagca ggaccaggac gccaccttgc ctactgctc 360
tatcagcacc tgcccattgc cctgaactgt gctccttcag ggaaggaggagg aggcaaaagg 420
agccttaaga gggaatctct agcacaaatt taaccatgaa cagaagatct atgagaagaa 480
aggaaaataa aaacttaagc gaagacagac acaacatctg aataaatgca cagggaagtgc 540
agatcacagt cctctctgga ggaaaagact aatgccagtt cttcccaagt gagtccctag 600
attcagggca acctggtcac agttcagagg tttgcttttc cagagcctga ggcattgcagt 660
ctcaacttct gacaactgga aatgtagagg aatagctttg

```

```

<210> 1875
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1875
gaagacagac acaacatctg aataaatgca cagggaagtgc agatcacagt cctctctgga 60
ggaaaagact aatgccagtt cttcccaagt gagtccctag attcagggca acctggtcac 120
agttcagagg tttgcttttc cagagcctga ggcattgcagt ctcaacttct gacaactgga 180
aatgtagagg aatagctttg acaggtttgt aaatgaccaa caaggaggag agattggcta 240
ttaaactcca acacagtagt aattatacat taacagggaa atagatcaga tgaccagaat 300
ccagtaacaa agattcgtac aaaattagga aaagttccta ccaatcatta agaagaagt 360
aaataagcct tggaaaaaaa tcatgaaggg tttggggtaa cttacacaag aactgctctt 420
ttgagagtga ggaccactct gttcccttag tgctaggcac ccagcaaaaca caccataaat 480
gtcaaaaaac tgaatgttca tcaactggtaa tcagagaaat gcaaattaaa acaaacgcat 540
atgacatttt acttaacaga ctggcaaaaa tgaaaaaaga aacataatat cctgagctgg 600

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caggagcaca aggaaatggg tactgtctcg tgctgatgat gaatgtgaat tgataacagt 660
 ttttttgtga tttgcatag cacaaaattg aaaacagcac 700

<210> 1876
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1876
 tcactggtaa tcagagaaat gcaaattaaa acaaacgcat atgacatttt acttaacaga 60
 ctggcaaaaa tgaaaaaaga aacataatat cctgagctgg caggagcaca aggaaatggg 120
 tactgtctcg tgctgatgat gaatgtgaat tgataacagt ttttttgtga tttgcatag 180
 cacaaaattg aaaacagcac aaatgtacgt tactctgggc tcgctaaata ggactaaat 240
 aaaacgagtc agtttcttct cccgagcaag taaactagag ggtagatcca cgcgaccccg 300
 agtctaggac acatcctcgg gagtgaacag ccacaattca cagacgatgt gtgcagcccg 360
 ggcagtaaag gcccaaggca aaccaccac gaggtaaacg ccgggactct gaggagaggg 420
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 gagggcaaag ctgccctggg caagtgttct tttctttcta aaccttcctt ctggtctctg 540
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<210> 1877
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1877
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<210> 1878
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1878
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<210> 1879
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 <212> DNA
 <213> Homo sapiens

<400> 1879
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<210> 1880
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1880
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<210> 1881
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1881
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<210> 1882
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1882
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<210> 1883
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1883
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 tgggtgggagg gaggagttag agggactggg actgggagga 700

<210> 1884
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1884
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<210> 1885
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1885

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<210> 1886

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1886

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<210> 1887

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1887

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cctcatgcat gagcttgagg cccacaccct gctgctcccc tctgcctggc ctgtggcaaa 60
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<210> 1888

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1888

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<210> 1889
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1889
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<210> 1890
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1890
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<210> 1891
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1891
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gagggagaaa aacatcataa acctgccata agcagggcag gcaggccgag aggctacgtg 180

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cctaaggccc agccctgtca ctcaagtagcc ctgtgagaag gcaggccagg aaggggcatg 240
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<210> 1892

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1892

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<210> 1893

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1893

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<210> 1894

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1894

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tcaggggcca	ggatcccagc	caagtgggga	agcttcagag	gtcactcatg	ggcagagcaa	480
tgctgacatt	cccccatcc	agcctgtatc	tcagtctgga	ggaggggtgat	gaatgtgatc	540
cgттаатggg	aaaggaaacc	ccgggctcat	agagggtcatc	tgggcaccta	aggctccaga	600
ggctggatga	ggaccagctt	tgctgaactc	caaagatgga	gcacccctcac	cgtgtgccag	660
ggccaagcac	aaacaggggt	gacctcacag	gcctctccac			700

<210> 1895

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1895

agcctgtatc	tcagtctgga	ggaggggtgat	gaatgtgatc	cgттаатggg	aaaggaaacc	60
ccgggctcat	agagggtcatc	tgggcaccta	aggctccaga	ggctggatga	ggaccagctt	120
tgctgaactc	caaagatgga	gcacccctcac	cgtgtgccag	ggccaagcac	aaacaggggt	180
gacctcacag	gcctctccac	catgtttaaa	ggctccaagc	cagtggctta	cctcccaccc	240
tgccagctca	gaggcatggt	tagctgtggt	gtggtttggg	gaggctttgc	ccacgtactt	300
ccacaggggg	tcattggaat	cccctcagca	gtgaacacgg	cagagctgat	aagtтатgcc	360
cgacttctgt	ggatcaagggt	gggcagggga	gtggggagat	cccactcagc	caggcttagg	420
ccaactgctt	ctcagagctg	agtaaagacc	caggacctga	gcaaggctgg	gtccccccac	480
ccccaccccc	agtggacctt	ctatcccagg	atcatttatg	gagcacagat	gggcttggtg	540
acccctctgtc	ctccccttct	tgattggctg	caaagcatta	cacagtcctt	agtgggaact	600
tttcccaaat	ccagatttaa	ccagggcaga	ggtgtgggcc	acggtggcga	cagctgtggc	660
agggcagctg	aggggctggt	aggagtagtc	agcagccaag			700

<210> 1896

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1896

ctatcccagg	atcatttatg	gagcacagat	gggcttggtg	acccctctgtc	ctccccttct	60
tgattggctg	caaagcatta	cacagtcctt	agtgggaact	tttcccaaat	ccagatttaa	120
ccagggcaga	ggtgtgggccc	acggtggcga	cagctgtggc	agggcagctg	aggggctggt	180
aggagtagtc	agcagccaag	ttaagggtct	gtagtcttag	gagagagccc	caaaatcaaa	240
ttttgtctacc	ccactccctc	tctgtgtgac	tttaagcacc	atctaaccct	tctgagcctc	300
acttgtctca	tctgtgaagt	ggggactata	gtagcccttt	tttaagttgg	taaatgaggg	360
ttaaatgagg	tggtgcacaa	gaaactactt	tgaaatggct	atcaagctgg	tcactcaggg	420
gaggggaaag	gaatgaaaca	aatgccccag	aggctattca	aggtcttatt	tcagttgcct	480
gcaacacttg	ccataagtgc	cccaacacac	ttctagtcta	agttaaaagg	ggatttcttc	540
ccttcttaag	ctataactct	aaacagtatc	tgccaggccc	ccatgaaagt	gctactcctt	600
gggactgttc	ctggatgggg	cacccaggag	ctgaggcaga	gaggctgtgt	gaagctgggc	660
tcacccaaaa	tgccagctgc	ccataactgc	ccacctcgtc			700

<210> 1897

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1897

cccaacacac	ttctagtcta	agttaaaagg	ggatttcttc	ccttcttaag	ctataactct	60
aaacagtatc	tgccaggccc	ccatgaaagt	gctactcctt	gggactgttc	ctggatgggg	120
cacccaggag	ctgaggcaga	gaggctgtgt	gaagctgggc	tcacccaaaa	tgccagctgc	180
ccataactgc	ccacctcgtc	cttccatcct	cccagcccag	cccacctgtg	catacctgct	240
cacagacagt	gtgaggtgat	cgtggcagcc	cttgatgcgg	ttctgtgcct	ccaggtgtgt	300
catgagctct	gtgctctcac	cattgatggc	ctggatcagg	tctcctgggc	acagggcagc	360
caatgcagcc	ttgctgccag	catggacctg	cgagcagaca	agccagatgg	ctgggcacag	420

```

tcatgatatg gtcttgctgc aagctgtgcc ctaggcctcc tccaacctca gaacctagcc 480
agtgtggcct gctaccagca tggcctgtgg atgggcaagc cgagtggctg gttgaggctc 540
ccatgtagcc tggctgcagc cttgctggaa acacctccaa ctccagcacc tggaggcctg 600
gcagggcctg aggatataca agaagggtt cctcagggtt gggacaaatg gatgttgctt 660
ttgcagcctg cgtatgtgcc caaggacatg caggggacac                700

```

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<210> 1898
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1898
tggcctgtgg atgggcaagc cgagtggctg gttgaggctc ccatgtagcc tggctgcagc 60
cttgctggaa acacctccaa ctccagcacc tggaggcctg gcagggcctg aggatataca 120
agaagggtt cctcagggtt gggacaaatg gatgttgctt ttgcagcctg cgtatgtgcc 180
caaggacatg caggggacac agagacacat ggagacatag gtgctcacag atacatacac 240
agcatggaca tatcacagat accctacaca gacaaggccc caaccagaca gactacacac 300
cttgacctaa tattcaaacc cttagtgcac ttgccttcct acttgcttga tttcaactct 360
catccccacc tccacaccca cactctgtcc agaccatgtg aatgtctatg ggggtgtcac 420
aggcaccata tatcactcac ctctacactt ctgcaaaagc tgctccctcc acctggaaca 480
ttcctttgac tcccacatcc tcctccttca gatctcagca tagaggccac ttcctctggg 540
agcctctctg ggatctcact acccagtgtg ctcccatgac caccttttcc ccctacactg 600
ttcatgttaa tacttcatta taattaaaat gggaagggtc gaacatcacc tccctgagca 660
agtccagggc catccagttc cagctgacag cctgcgtttg                700

```

```

<210> 1899
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1899
tcctccttca gatctcagca tagaggccac ttcctctggg agcctctctg ggatctcact 60
accagtggtg ctcccatgac caccttttcc ccctacactg ttcattgtta tacttcatta 120
taattaaaat gggaagggtc gaacatcacc tccctgagca agtccagggc catccagttc 180
cagctgacag cctgcgtttg ggggtcagaa ttctacctct acttcccctg caggacagga 240
actcaggcta cctcagtgcc actattgacc cctcgggggtc aagcagtggt cacacctgga 300
agctcttaca atgctgggtc actgaagaag gctagaatgg ggggtggagt tagactcaca 360
gagatatcta agtaagcaac tcagggggaat ccaggccatg gagcaccctc caccctgcct 420
tgaccccaac atagccttta gaaatatatt tcttaccagc cctctccagc cagtgtccag 480
ctgggttcaaa agctgtccagt gaccccatte ttttgggtgg gagctcctac tgggtgggaac 540
tcctggaagc ccagctaggc tcagttcagc caggtctcag tagtgagtgg acaaagctga 600
ggtgctggca gtccttggtc tggaggcctg gtgttggcac tgcccaagct gacctgcctt 660
gaagtaggct gcctcaagga aacgtttctt tgaagcatga                700

```

```

<210> 1900
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1900
gaccccatte ttttgggtgg gagctcctac tgggtgggaac tcctggaagc ccagctaggc 60
tcagttcagc caggtctcag tagtgagtgg acaaagctga ggtgctggca gtccttggc 120
tggaggcctg gtgttggcac tgcccaagct gacctgcctt gaagtaggct gcctcaagga 180
aacgtttctt tgaagcatga caccctcanc caactagccc atcattaatg ttcacttgta 240

```

```

gggcctgggc acctgtgcaa gcctgtcatc ctgggggaga caccacttg gcaccatccc 300
accctcccct caaggccatc ctctgcctcc tccccttcat ggatacctgc cctgtgccag 360
ggcctgggct ctatgcttta cccataacta gctcacagca acccctcaac cacctgggtga 420
ggcagaggct gttctcatcc ctattttaca gatgaagaga aagaagcttg ggggagggat 480
gccatgcccc agtccccaca ctggagagga gtctttcttc agggggcggc taactgcggc 540
aggatgactc agccagcaca aggggtacat tcaggcttct gtgggcggag gaagtttctt 600
gaaagcagtg gtggctggga tgctgccagc tctattgagc taggggagtt ctggtcagag 660
agggcgtgag gccaagaaat tgtgactctc ccagtcacct 700

```

```

<210> 1901
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1901
ctggagagga gtctttcttc agggggcggc taactgcggc aggatgactc agccagcaca 60
aggggtacat tcaggcttct gtgggcggag gaagtttctt gaaagcagtg gtggctggga 120
tgctgccagc tctattgagc taggggagtt ctggtcagag agggcgtgag gccaagaaat 180
tgtgactctc ccagtcacct ttacatgcat tatctcatta atcctgaagg caagcccatt 240
tcctagatca ggaacaggag gtccagagaa gtacagaagg atagttaatt gataaaagac 300
tgaatcaaga tttcaatcca ggccacctga ttccaaattt aaaactatgc tcttaacacc 360
tgcatTTTTt ttccaaaggg ggtaagggaa aagagagtat ctgaggggaga gatagtgttc 420
caggcagaag gaccagcatg tataatggca tatctggaga gaaagaagaa ggaaggttgt 480
atggccggag catcatgagt gaggggagag tgggagagat gaagtcagag aagaggcagg 540
gatcagatat tgcagagtct tgtacacccg ggtgggaagc tggcatttct cctgggtggc 600
tgggaaccat ggagggtctt aagcgggaag tcacaggaca gagtgggaatt caggccgatc 660
cgtctagctc ctaagcacag gataaacaga aagaaggaac 700

```

```

<210> 1902
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 1902
gaggggagag tgggagagat gaagtcagag aagaggcagg gatcagatat tgcagagtct 60
tgtacacccg ggtgggaagc tggcatttct cctgggtggc tgggaacat ggagggtctt 120
aagcgggaag tcacaggaca gagtgggaatt caggccgatc cgtctagctc ctaagcacag 180
gataaacaga aagaaggaac agagacagga acagtgaagt cagggtggcg gtgagggcat 240
gaatcagccc cttaccggta gtggctgcat tcccagcccc tgctccacc agcctagatg 300
tggtgggctg ggagtccaag tcagaaccag gtgccacatt gtcctacaca gtcacagcaa 360
actgcagact gcctggattc ctctgtctc cactctgctt ctctgggttg attacattag 420
cctctctgtg cctgggtctc catctatgta aggccagagg gagtccctac ttntaaaggc 480
tggtgtaagg actatttgag aaaaacaggg catgtaaagc cccacagga ggctgggcat 540
aaggtgggtg tcaactacagg gactggaggg agctgttacc aacacccatt agggtagggc 600
ctggcacacc ctggatgctt ggccaaggcc agccatcatt atagcttgtg ggggaaggagc 660
cccggatgat gttcttggga ctctggagg cttcatgggc 700

```

```

<210> 1903
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 1903
aaaaacaggg catgtaaagc cccacagga ggctgggcat aaggtgggtg tcaactacagg 60

```

```

gactggaggagg agctgttacc aacacccatt agggtagggc ctggcacacc ctggatgctt 120
ggccaaggcc agccatcatt atagcttgtg gggaaggagc cccggatgat gttcttggga 180
ctcctggagg cttcatgggc tgagattgca agccccagc cctgccgggc cgatagcctc 240
ctccctgtct gtgtgaggct gtccctccct accaggctcc gcgtagggga ggtcctggaa 300
gcaaggaggagg ggctggatct tgagccccac tggatgaagac actcccatat atcttcagtc 360
cctgtagacc tgccccagag gtacctgcta ggcaagctgt ggctgtgcc tccccagcgc 420
tgtaaatactc cccagatccc acccaaacc aacctcagcc atcctggctc cttgggcctg 480
agctgctgcc gcgtgacttt gggggacaaa ggaggctctt cctggcaaac cttctcccag 540
actgcctgcc tggggcctgc atccccagtc agctccaaac aaggctgttg ctgctgctgc 600
tgccgcagcc gcagctgtga cgtgtggagg cctttcctcg gagggcaggc agccgcgtgg 660
gcaacagatg tctcagctcc ctgccgcctg cagccgtcag 700

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<210> 1904

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1904

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gggggacaaa ggaggctctt cctggcaaac cttctcccag actgcctgcc tggggcctgc 60
atccccagtc agctccaaac aaggctgttg ctgctgctgc tgccgcagcc gcagctgtga 120
cgtgtggagg cctttcctcg gagggcaggc agccgcgtgg gcaacagatg tctcagctcc 180
ctgccgcctg cagccgtcag ccgccgccac tgagcctgtc agcggcctca cgcccagggt 240
gcctggccag cccgcttagt gtccccacca gcccctcag cggacacaca gcatgacaca 300
cacaagcaga cacaggcttg cgtacacaca cacacacaca cacacacaca gcaggaatcc 360
tataggaaag aggagatgaa aggtctctggg atgtgttgaa ggcccacctc actcggcccc 420
agggacctgg cagtgagggc agatgtggga agcctcctag gacagctggg cctgcctgtc 480
accctggccc ccagaaacgg gattccatga ttccacgctc cacctgggtg ccaccccctc 540
ccaagaactg gacagaagtc tcttaaagcc cagccggctt ggcccagccc ccatggcaag 600
aggtggcagt aggggtggggg aagggtcttc tctgtgcctc tgacacaggc ccccaaagac 660
aagatcagcc tgtgtgggag caagggatgg ccgtcagatg 700

```

<210> 1905

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1905

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gattccatga ttccacgctc cacctgggtg ccaccccctc ccaagaactg gacagaagtc 60
tcttaaagcc cagccggctt ggcccagccc ccatggcaag aggtggcagt aggggtggggg 120
aagggtgctt tctgtgcctc tgacacaggc ccccaaagac aagatcagcc tgtgtgggag 180
caagggatgg ccgtcagatg gtttcagggt atctcctctg ctccctccag actgagagcc 240
gccaagggca gggcctgggt tctctcctct tctgtccctt aggttgggga cccccaaggg 300
cagggtctga gtccctctct ttggccctcc agacacgagg atgtcgaggc tgggccagga 360
tctgtctctc cctagacagg caccctcctg aacagggcct gattcacctc ctccactcct 420
ctatcctcag actagccacg ctccagggtc gtgcgggctc cttttccttc tctgtgggca 480
aggcagggcc ctgggaaact tgaggaacgg gcctgagggt gtccctggccc ccggctttgt 540
gtcatcttgt ggggaggggt ctcaaacct cacagttaag tctccctttc ccctggaagc 600
caaaattcct cctggtcact tccccttagg gtgactgagg tcgtgaatga gagactgact 660
cacgccc aaa gtgggaagtg gatggacctc tgtcttctca 700

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<210> 1906

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1906

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tgaggaacgg gcctgaggct gtccctggccc ccggctttgt gtcattcttg ggggaggggt 60
ctcacaacct cacagttaag tctccctttc ccctggaagc caaaattcct cctggtcact 120
tccccttagg gtgactgagg tcgtgaatga gagactgact cacgccc aaa gtgggaagtg 180

```

```

gatggacctc tgtcttctca gattcagcga ggaccccaga cctccctggg tcaccaagct 240
ctgccggcag ggacccctga taggggaagg ggggctctaa atcattttgc cccagatctt 300
caggcagggg gtgagtctga agagtttctg ggcctctgta gagctgtcta gacccttggc 360
ccatctccgc gggtccttcc cgggtccaca gtggctcccc cagatgaggc cagcggggag 420
gcgggtgctg gaactcttgg gagattcttc gcgggatcgg gcagacaggc ccagcgtggg 480
aggagggcgg ctggggctgc ctgcctctgc ctggaagccg cctctacagc atgcggggcg 540
cccaggccaa ccctccgcct tcaagcctcg gatacacagg ggatctgggt cccggggcga 600
ccgcgagaac ccggtctcag acatgggacc gccctgccgc cacgcagccg ccagactcac 660
ccgtgagatg gtgaggggag cgctgaagtc ccggccgccc 700

```

<210> 1907

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1907

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ctgcctctgc ctggaagccg cctctacagc atgcggggcg cccaggccaa ccctccgcct 60
tcaagcctcg gatacacagg ggatctgggt cccggggcga ccgcgagaac ccggtctcag 120
acatgggacc gccctgccgc cacgcagccg ccagactcac ccgtgagatg gtgaggggag 180
cgctgaagtc ccggccgccc accaggcggg agccccaggg cgaaggcccg cgcaggggtca 240
cggaatgggg catcgcgggc tggagccgca gccggagcct gagccggact ctgaggagcc 300
gccgcgcgcc ccgcccgcct gacgcccgcg cccgcccccg gcccgcccgc ccctgtcccc 360
actcggccca gccccgcgcc ccgctccctg tgcgctgga ttggccccgc ggccagcccg 420
acctcccac ttcggggggc tctgaggacc cgccctcagc cccgggtgcc ggcaaccggg 480
cacccccact cagctctcag agatccccgc gttcggacgg ccccgacggc ctggatcctg 540
ctcgggcctt ggatctgcag gccgcggacc caaaccagc tgtcgacacc ggccctttga 600
agtcgctttt aggggcgggt ctccagccng aggagggatg gagggcccac ttgggggatg 660
gggctgcccc agctcagata cctcctcatg ggcccagact 700

```

<210> 1908

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1908

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agatccccgc gttcggacgg ccccgacggc ctggatcctg ctcgggcctt ggatctgcag 60
gccgcggacc caaaccagc tgtcgacacc ggccctttga agtcgctttt aggggcgggtg 120
ctccagccng aggagggatg gagggcccac ttgggggatg gggctgcccc agctcagata 180
cctcctcatg ggcccagact gcacacctgc ggccatcct gccgtgtgag gagcctctg 240
aaccaagaac cctatgaacc aggggcttgc gcagactgg gccggggacg cagacccaaa 300
acgacagcag gcagcgccga gcgtgggagt ggacacagaa agtcctcag actagtttgt 360
ggaggccagt aaggcttctt ggaagagggt gtccctgact tgtatctgga agcaagggtgt 420
ccctgcttcc ccagaacatt caggccttct cttgctgctt gcaggctcct cgcaggccac 480
ctccctgtct gcacagcccc ctccccctgt cctttgccag gagatttgtt tccccaggtc 540
tcctgagaaa gtagcagctg gagcggctgg ggtcgtggct gtgcagtgtg aagggaagaa 600
atatatgcag cgcttcaact tgggcccttt tctctccaag gtcttctctc cattcccaac 660
cattatcctc cggggatgta cttgaacagc caatgcagat 700

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<210> 1909

<211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 1909
ctccccctcgt cctttgccag gagatttggt tccccaggct tcctgagaaa gtagcagctg 60
gagcggctgg ggtcgtggct gtgcagtgtg aagggagaaa atatatgcag cgcttcactt 120
tgggcccttt tctctccaag gtcttctctc cattcccaac cattatcctc cggggatgta 180
cttgaacagc caatgcagat gccatggcac caccaacctc cctctgggtc tctcggcact 240
tctatctggc tacatcaggg agacacctt tacttttcca gactctgtgg aggtctctca 300
tttagcccaa atccttaacc ttatgtgtcc ttttagtcaa gctgtgataa ggaccctgct 360
cttgggctcc tcacagggtg tgggatgaaa tgtgtccact gggctctctga caaccgcaa 420
agaggagaac tgcttgagaa gcacaaacct agggcagtc aaggaaggga ggggcccttc 480
anagtagaat gtgggtgcct ctgtaggagg caagatgctg ctatctgttc agctgggaga 540
gaaacaagtg gtgtgtggtg gcggtgttta tatgggagtg tatttggggg gtgtgtgtgt 600
gggggggtgc ggtgtctgaa tccattagag caccagccat tgggctgttc tccatcactt 660
tgtggtggag gaggtttctg ctcagcccc tgcagacttg 700
```

<210> 1910
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1910
ctgtaggagg caagatgctg ctatctgttc agctgggaga gaaacaagtg gtgtgtggtg 60
gcggtgttta tatgggagtg tatttggggg gtgtgtgtgt ggggggggtgc ggtgtctgaa 120
tccattagag caccagccat tgggctgttc tccatcactt tgtggtggag gaggtttctg 180
ctcagcccc tgcagacttg gatcccaagt gaagaaagg ggaagggcca gcaggagagc 240
tggtcactgc attgtctctc tgaggctctg aggccagaag ctccccagga cttagaccct 300
actaaatggg gtagagagta aggggcagcc atcacttatc actggctgtc ctgagggttt 360
ggtgtacagc atggcttgtg gtcagaggcc tgtcagctgg gctccaagag tccagtga 420
tgtaaacagt gcagacctt tctgggggga agggatcctc aagggtctgt ggaagcttc 480
acccaatgta tcccaaagt aattcctgaa actcctcttc atacattgct tgtttcccc 540
gatttcacat cccaagact gcctacactc cttgcctcca tcctgaaatt ccttcattac 600
ccgtttactt ctgtccgggg gaatgtgaag tggctctct gaatatgacc ttctggccc 660
ctgagtctct gggcagtgtg atccatctcc aaaggcttct 700
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<210> 1911
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 1911
aattcctgaa actcctcttc atacattgct tgtttcccc gatttcacat cccaagact 60
gcctacactc cttgcctcca tcctgaaatt ccttcattac ccgtttactt ctgtccgggg 120
gaatgtgaag tggctctcct gaatatgacc ttctggccc ctgagtctct gggcagtgtg 180
atccatctcc aaaggcttct atcacaagtt tggaggtgga ggtgggggtg ggactctgga 240
tgaatttttt agaactctgt ccataaactt cccatttca ttgggcagca tctggacaga 300
ttggaatgat gcaggatccg ggtccaggcc agtcattccc tcacatgagc tcatgttgac 360
atccctgact taagagaaca tcagaggctt acttctgact gtgccttccc acaggggaga 420
tgccagggtca ggttctgtac ctggagtttg ggggtggccc ttcttagggg ccatgctgta 480
aaccactca taaggtagcc tgagttctag gcagcaggtc agacaagctg cagattctat 540
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<210> 1912

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1912

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accagtggtg	tcagggcacg	atgcccaggc	cttctgtatg	cagccaggtc	tgtccaaggt	660
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<210> 1913

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1913

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<210> 1914

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1914

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gaggcaacaa	aactggctct	ggagccgtgg	ttgggttcagc	agaacacaca	ggggagggcg	600
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<210> 1915
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 <212> DNA
 <213> Homo sapiens

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<210> 1916
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 <212> DNA
 <213> Homo sapiens

<400> 1916
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 gtgggagggg gaaggcagct gacaggtggg agagccagag gtggctcagc gcagccccag 300
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<210> 1917
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1917
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 gattgcagag caactgtacc atgtgctcat tctacgcct ggacctagaa tgtcttggtc 240
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<210> 1918
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<212> DNA
 <213> Homo sapiens

<400> 1918
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<210> 1919
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1919
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<210> 1920
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1920
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<210> 1921
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 <212> DNA
 <213> Homo sapiens

<400> 1921

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<210> 1922

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 1922

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<210> 1923

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 1923

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catgagataa agaaaacatt ttaattcagg gaataaaagg tagtttactc aataactcat 540
gttggggcca ttactatta tgcataaaaa ataaggctat aattctatat gctatataat 600

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ttccacatt ataaagtaaa tcccaaattg attcatgatc tatatatattt aattttccca 660
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<210> 1924

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1924

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 tcccaaattg attcatgatc tatatatattt aattttccca atgtgaatgc ttttataaac 180
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<210> 1925

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1925

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 aataaatatt actgtttgta attagaaaaa tgaagataat aaaaaggaaa ataaagacaa 360
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<210> 1926

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1926

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 atcaatgagc cacctcagca gagaaatggc ttatttcctt tcagccttaa gaacttcctt 180
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<210> 1927
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1927
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<210> 1928
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 <212> DNA
 <213> Homo sapiens

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<210> 1929
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1929
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<210> 1930
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 1930
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<210> 1931
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 <212> DNA
 <213> Homo sapiens

<400> 1931
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<210> 1932
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 <212> DNA
 <213> Homo sapiens

<400> 1932
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<210> 1933
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 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1933

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<210> 1934

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1934

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<210> 1935

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1935

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<210> 1936
<211> 700
<212> DNA
<213> Homo sapiens

<400> 1936
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<213> Homo sapiens

<400> 1937
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<210> 1938
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<212> DNA
<213> Homo sapiens

<400> 1938
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<210> 1939
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 <212> DNA
 <213> Homo sapiens

<400> 1939
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<210> 1940
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 <212> DNA
 <213> Homo sapiens

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<400> 1941
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<210> 1942
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<212> DNA
 <213> Homo sapiens

<400> 1942
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<210> 1943
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 <212> DNA
 <213> Homo sapiens

<400> 1943
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<210> 1944
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1944
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<210> 1945
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 <212> DNA
 <213> Homo sapiens

<400> 1945

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<210> 1946

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1946

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<210> 1947

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1947

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tgggtgtctac tgaagggaag gggagatcag agctgcaact ggagctgaca ctagcagggc 660
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<210> 1948

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1948

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tttgaggagaa tgagtgcctt ggcctccttg tgggtgggtaa gagtcccagg gcagtgtact 60

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ccacaggagg gtttagggtc cttgagacag gagttagcag gcctcagcca caccagtgat 240
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cctcagcctc ccgagcagct gggactacag gcatgcacca ccatgcccac ctaatttttg 480
tatttttagt agagatgagg tttcgccatg ttggccaggc tgggtctcgg cttgaactcc 540
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cgcgtctggc caattttttt ttttaattag caaaagatac tcccttttca attcacttta 660
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<210> 1949
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1949
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ttttaattag caaaagatac tcccttttca attcacttta tttccatcta ctgaaaactt 180
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cagtcttgct cctgaaagga tataaggtgc cttacaaaca agtttcatta tagcaaagtg 360
aagtacattc atttaaaaaa agagagaggc agcctgggca acatggcgag acctcgtctc 420
tataaaaaata aataaaaaat tggccacgtg tggtagcgtg tacctgtggg cccaccagag 480
aggctgaggt aggaagattg cttgagcctg ggaggctgag gctgcagtga gcctctgaac 540
tccagcctgt gttcgtacac tgcacttcag cctggagaga gtgagacca aaaaaaaaaa 600
tgagtctcaa aaaaaaagtg agtgagtctc aaaaaaaaaa aaaagaaaga aagaaaaagg 660
agaggaaggg tggcaccagg agagtgtgtg ctgaaactgt 700

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<210> 1950
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1950
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agtgagtctc aaaaaaaaaa aaaagaaaga aagaaaaagg agaggaaggg tggcaccagg 180
agagtttgtg ctgaaactgt cattaatgt gtggttacct cgcaatgaaa ggagtctcgt 240
atttgaggaa gccagacact gtgattagga ttccatgtca gcctgaaacc cagaagagtg 300
ctggcgtgtt ctctggaggc agccaatttt cactctctgt tcttgtaact tctgggggct 360
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acaagtagga cctcatccct aaaaggaggc tcagaatggg gggcagagca ttcaacaaat 480
atttacagaa taaatgaatg agcaaaggaa catagccctt cctactttac gtcaccaatt 540
cttaactatc cacttctctc tctattcatt ggcagttccc agttcaggtc accatcagct 600
gtcaccccg ctcagccaag ctctgctcct ccttctcccc cactcaccca cagtagaaag 660
ggtgtttttt ccaaattccc aatcttatcc tgttctctcc 700

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<210> 1951
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1951
agcaaaggaa catagccctt cctactttac gtcaccaatt cttaactatc cacttctctc 60
tctattcatt ggcagttccc agttcaggtc accatcagct gtcaccccg ctcagccaag 120
ctctgctcct ccttctcccc cactcaccca cagtagaaag ggtgtttttt ccaaattccc 180

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aatcttatcc	tgtctctccc	ctgcctttgc	tctgggggtg	ctgctccttg	tcttcagcct	240
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gcagctttac	ctcttattac	tcccctactg	tctgctccac	cattgttccc	caatcaagag	360
cttcagggt	ttggccttgg	aggcttgtga	caataaactg	gggagatgta	ttagtgtgct	420
aaggctgcca	taacaaaata	tcacagcctg	agtggcttaa	acgatagaaa	ttcattttct	480
cgtagtctcg	gaggccagaa	gtccaagatt	gagggtgcat	cagggcgggt	acctgatgag	540
gcctgtcttc	ctggcttgta	gatggtcacc	ttcttgctat	gtcctcacat	ggcctcatct	600
ttgtgcaaat	gtggagagat	acaactctct	tgtctctcct	cttcttataa	ggacaccagt	660
cgtattcaag	taaggcttca	cctctatgat	ctcacttaac			700

<210> 1952

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1952

gtccaagatt	gagggtgcat	cagggcgggt	acctgatgag	gcctgtcttc	ctggcttgta	60
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acaactctct	tgtctctcct	cttcttataa	ggacaccagt	cgtattcaag	taaggcttca	180
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actggcttcc	tgacatttta	acaaggcctg	aaaaaaacat	taaaaaact	caactttcag	300
ccttttagat	agtagctaca	tcagatgccc	aatagctatc	cttaaccctc	accttatcac	360
ctatccctaa	tccccaccca	gccccaatat	agggtcagga	ctggggaagg	aaggacgagt	420
ggctgctgga	ctgtaataat	aattctaaaa	gtgtgcttta	cagtatatac	atcaaaatat	480
cagatttcaa	gcaccatgcc	tagctaaact	ctgccctctg	gacatttgca	ctagtccaga	540
gcctctcgcc	caggatggag	gtgaagtgag	gaggaaagtt	gtagtgtaaa	ctcactcttt	600
acaccatggg	gggcctgccc	tggacttgct	gtgtaattgc	agttcctgaa	ggctctggca	660
tgctgtaat	gacaactcag	cctgattgct	gactctgctt			700

<210> 1953

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1953

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tggacttgct	gtgtaattgc	agttcctgaa	ggctctggca	tgctgtaat	gacaactcag	180
cctgattgct	gactctgctt	gtcttgggtt	gcaggggtcc	atgggggagg	caaatggtag	240
gagagttgta	gcctgctttg	gtttttgcac	ccaccagatg	ggttcaggga	ttaggggggc	300
actctctagg	gacacacttg	gtcctgcccc	gcctgtcccc	acaggcttct	ggggattctg	360
ccagattatc	tttccctttt	ccagggtcaa	ccaccaggct	ataagaccag	actactggat	420
aggccctatt	tcagaagcag	tagggctact	actaggtagc	cccactcaag	ccacaagtct	480
tgctgtctgt	gtttggcctt	gagtcaaagc	gccagccaac	tgagacacac	tcggctcttc	540
ctcagtctct	aaggggagaa	acctaggggt	gggttgagctc	cagtgagacag	ctgcattgcg	600
aatgtaccga	agaatacaga	tgtgtatcca	catatacaat	gccctctgtg	tggcattggg	660
tgaacctgag	ggccttgctc	tgggaaattc	catggaaggc			700

<210> 1954

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1954

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tgtgtatcca	catatacaat	gccctctgtg	tggcattggg	tgaacctgag	ggccttgctc	180
tgggaaattc	catggaaggc	cagatagtcg	taaaccctga	ccacacctcc	agctgctgca	240
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agcttgcccc	actcccccttc	cccaaaaacag	ggatcacagg	tgagtaggag	tggaggaggc	360
tggggcaggg	caggctgagt	aggccccctgt	ttagagttaa	gggctatgcc	acatccaccc	420
tcctattcat	ccaatttcct	gtccgcccag	cacagatgtt	tttactatcc	cttctgggga	480
aacaccaggt	tcttccttcg	gggtggggat	ggcaggcaga	caagtccaga	ctgcttcaag	540
gagccattgg	ccagggatat	tgcctaggga	cagcatggag	gtagagcctc	atgttgcaat	600
gccctggcca	tgctgggggtg	aaaggtcata	ggccatgcct	gatcttgagc	ctaggaaggg	660
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<210> 1955

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1955

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aaaggtcata	ggccatgcct	gatcttgagc	ctaggaaggg	tctctaagac	tgggtctagg	180
taggcagtac	ctcctactag	tagcctttcc	cagctggaaa	ggcttgggct	tttccctccc	240
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gctgttaaag	atggttgtgg	attcattaag	tgacacacac	tgggtgtact	caatgagggtc	540
tgctagaggc	cacaatagtg	ggaatgtcca	ctcattcatt	catgtatttt	tgttcaccaa	600
ttcctctcta	ggctctgggc	gccagaccct	atgctagagc	tggagacaca	gtgatgaaca	660
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<210> 1956

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1956

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ggaatgtcca	ctcattcatt	catgtatttt	tgttcaccaa	ttcctctcta	ggctctgggc	120
gccagaccct	atgctagagc	tggagacaca	gtgatgaaca	ggttagaggc	agtccccagg	180
agggccaaat	ggtaaatgaa	gtagacattg	aatgagggtca	ggtagcatgt	gtgaaactca	240
tccatgagga	gcttttggggc	ctatggcagg	atctgggtca	ggctagacct	agaaagcctt	300
ttgaaagaaa	ccaccttttg	ggaagagaat	gttctaggca	ggaggaataa	cacattcaaa	360
ggccagggaa	ctgaaaagtg	cctggagtgg	ctgcagcatc	aagtttgagg	ctgtgcataa	420
gaagagagac	catcagggct	ggataaaagg	gattggcagc	attggcaaga	tttgtgtcta	480
cccttgggtc	catggaatac	ctttgagagg	ttctatacgg	aaataacatg	atgggaatca	540
catggttaca	atgtcactct	gccctgtgta	atggagtaag	gatagaggga	gcggagtaga	600
aaagtgggct	aagatggatt	gtccaagtga	gagatgggtg	tgtcctgaat	ttggtctgctg	660
acagcagggg	tgggaagaag	taagtgaact	gagagagatc			700

<210> 1957

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1957

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gccctgtgta	atggagtaag	gatagaggga	gcggagtaga	aaagtgggct	aagatggatt	120
gtccaagtga	gagatgggtg	tgtcctgaat	ttgggtctgcg	acagcagggg	tgggaagaag	180
taagtgaact	gagagagatc	caccaggtaa	gatctccagg	gtgggcatgc	agtgggaaag	240
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agcagtttgg	gtgggtgtggg	ctgtggtatg	ggggagatgt	ttcatcctgg	ctgaacctgc	360
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tcttgaaatg	ggtgggattc	caaagaaagt	agcactaaat	gccaggggtga	tcagtccaaa	480
gcatttatta	gggaaatttc	tcggtctctg	aggggggctgc	agtacatcct	gtaggcagac	540
agcgagacag	ggatgttcta	tctaggtatg	cctgctgcaa	gggggggtctg	ggtatggaat	600
ttatatgaga	ttttaaggaa	tttggtcag	ggtcggggct	agtttctttc	agtgtttcgg	660
gcgaccatct	aaacaccttt	atcagtgcct	gggaatgttt			700

<210> 1958

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1958

tcggtctctg	aggggggctgc	agtacatcct	gtaggcagac	agcgagacag	ggatgttcta	60
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tttggtcag	ggtcggggct	agtttctttc	agtgtttcgg	gcgaccatct	aaacaccttt	180
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cggctgtctg	ggatcatagag	tgggtcaaggc	atgttggtatt	tgtcaggaga	gagaaaaaag	300
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tagatttaca	tgggtccaga	agcctttgag	ggcatggagg	aatgtcaaat	gtagtggatt	480
aaatggtgcc	ccccaacccc	accaaattgc	attcatgtcc	tactacctgg	atcctgtgaa	540
tgtgacctta	tttggaaaaa	tggaccttac	agatattatt	aagttacagg	ttattaaggg	600
agctgttgca	gtggttccag	ggcctgcaag	agtcatcagc	attcagggag	gcttcagtgc	660
caaacctccc	tggattacct	gggtagacct	cccaatctgc			700

<210> 1959

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1959

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ggcctgcaag	agtcatcagc	attcagggag	gcttcagtgc	caaacctccc	tggattacct	180
gggtagacct	cccaatctgc	cctggattac	ctgggtagac	gctacagcca	atgacagtta	240
tttttataag	aaacagaagg	gcagaagatg	cagacaccga	ggagaagtgc	aggtgaagat	300
ggggcagaga	ttcgtgtgat	acagccacaa	gccaagggaac	tcctaagcca	ccaggagctg	360
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tggagtctga	gggccttatg	ttaagggtcg	agtggtgaaa	gtgagggtac	aaaggcagag	600
gtcagaaatg	gtatcttctg	ggtggaggca	ggtagaggaa	aaggaatata	aaaacaaatg	660
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<210> 1960

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1960

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gcgggagccg	gggaaaaccg	gccccggaaa	agccccacct	gaatgcacct	gcccaggcct	180
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aaagagggga	ctgtgcgcag	gcagggtggga	tctgaggaat	tgggatatcc	cctcaaatga	360
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gtctccttac	tgagatcata	tccgtagtgt	cctcttttgc	ttatttgttg	gaggatttcc	480
ccgaacatga	cttgagagccc	ttgagagtga	gccctgactg	tctggtctag	tctcctggat	540

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ctagaaccca ccaacctcca cggggggcctt gtgactgttt actaagtgag aaaaggagta 600
gggtgagttc gaggcatctg tgaggtccat atgccttctg acctgctccc ccacaggacc 660
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<210> 1961
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1961
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tgaggtccat atgccttctg acctgctccc ccacaggacc cctagcccac tcaggtcctg 180
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gaaagacata aatcagacta aatggagctc cctcagccca gaagagctgg ggctggggca 660
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<210> 1962
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1962
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aatggagctc cctcagccca gaagagctgg ggctggggca ggtatcagtg gtggctattc 180
tgggaagcagc cagctagcca gtggaaggag aggcagcaag acctccctag catccctgta 240
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aaatttgacc tggcagagga cctggctcctc agaatgtctg tgttgggctc catttgatgt 660
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<210> 1963
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1963
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cctggtcctc agaatgtctg tggtgggctc catttgatgt tacatcttag aaatggtaga 180
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gcgctgtggt tgtttctgcc aggttctatc tctccaaggg gacctctgct ccctttccca 660

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tagccctgtt gacatgtgtg gcccctcaaa gtccctgcaga

700

<210> 1964

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1964

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aggttctatc	tctccaaggg	gacctctgct	ccctttccca	tagccctgtt	gacatgtgtg	180
gcccctcaaa	gtccctgcaga	gactgggagc	ctagtggcaa	gggccaccca	gacacagaac	240
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<210> 1965

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1965

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<210> 1966

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1966

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<210> 1967
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 <212> DNA
 <213> Homo sapiens

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<210> 1968
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<210> 1969
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 <212> DNA
 <213> Homo sapiens

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<210> 1970
 <211> 700

<212> DNA
 <213> Homo sapiens

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aatggtgtgg atggctgctg ttctcttatg actcagtgtg ggctggtgc tcaggagagc 360
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gatgccatgc tcagctagca gccctggtgc cacacagcct gagagcaggc gggagccata 600
gatgcaacaa gctgtcatca ggcattggag ggctgggctg ccatgctgag gctggtgggg 660
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<210> 1971
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 1971
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ggcatgggag ggctgggctg ccatgctgag gctggtgggg tgggaaaatc aacttgcagc 180
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ctattgggag tggattactt gacacattca catttactct gtgccagat gctaggcaca 600
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<210> 1972
 <211> 700
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 <213> Homo sapiens

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aggatataga aatgaataag gcaacacccc tgctcttatg aaactcatat accggtggag 240
gcagacaaca cacaaataaa caaggaaagt gtcacatcgt gataattatt ctgagaaata 300
aaatagcatg atatcatata gactacagag gtggtcacat tagatttggc actctaggac 360
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gtgaatgata gacgatgaat gatagaacat gcagctcata aggtaggaag gggtcagata 600
aggtgggcat ttggggcctc tgatcagggg cttgggcctt atgcacaggg tgaaatgggc 660
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<210> 1973
 <211> 700
 <212> DNA
 <213> Homo sapiens

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 tttaaacttt taagttttct gtttttcatt ttttttagat gaaaaatgtt gtccaggctg 240
 gtctcgaact cttgagctca agcattttatc ctgcctcagc ctccctgagta gttgggatta 300
 caggtgctca tcaactgtgcc tggctcagtg tgcatttttag aaagctcact ggctgctgtt 360
 tgcagactgg gctgcagtg ggcaagtgtg gaaataagga gaccactggg gagactggag 420
 taggagggat gaactagagt ggtgggtggg gcaatgatga gaatggggaa tgaaccagg 480
 cagagtatag aggggaggac acacagagat gaataaaatg tgggtggctcc gaatgggaga 540
 aaatatttgc aaaacatata tctagtaaag ggtatgtatc tagcatatgt aaagaatgct 600
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 gagtctcact ctgtagccca aactggagtg cagtggcacg 700

<210> 1974
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1974
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 catttttgtt tgtttgtttg tttgtttgtt ttttgagaca gagtctcact ctgtagccca 180
 aactggagtg cagtggcacg atctcagctc actgcaacct tcgcctcagg ggctcaagcg 240
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 ccactgcacc catcttgaca accaaatttt ttaatggaca gaagatttga acgaattttt 480
 cgccaaaaaa ggatacgcaa atagtaaata cacatatgta aagatgctca acatcattag 540
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<210> 1975
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1975
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 tgtgccaaat gttggcaatg acgtggaaca actgggatgc tcctaaactg ctgggtgggaa 180
 tgtaaaatat tcattttttc ttgacttttt aatagagata gggctctcagt atgttcccca 240
 ggctggtcct gaactcctga gctcaagtaa tcctcccact ttggcctcca aagatgctgg 300
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<210> 1976
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<212> DNA
 <213> Homo sapiens

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 aacctggaaa caacaaaaat gaccatccac aagacagtgg ataaatagct tatggatatct 420
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<210> 1977
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 <213> Homo sapiens

<400> 1977
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<210> 1978
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<210> 1979
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 1979

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ctcaataaat aaataaataa ataaataaat aaataaaata taagaaccaa aatttcagtg 540
ctcactaggt aactcaagag cagaatataa atgagaggaa agaggaagcc agtaactgga 600
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<210> 1980

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1980

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tccaaacaga aaacagtgga gaaaaagatt tttaaaaagt gaatagaacc tcagagacta 180
gtgagacaat accaaagggtc taatatttat gtcattagag ttccagaagg aaagaagaaa 240
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aaaggacata aaactgaaga atatatgtac atatatatat atatatatat acacacatac 360
atacatataa gcatacatgt accattgcta gagaaaaatg acacatcaca cataggagaa 420
caattcaaat gacttcagct tctcatgag gagagaggaa atctcatcgt agagaccagt 480
aggaagtgga atcacatctt taaaatgaag aaaaagaacc atcaaccac cattctcttc 540
acaatttcaa gaatactcaa tgaaaatatg cctcaggagt gagagtgaat taaagacgtt 600
ttcagatgaa ggaaaactaa gagagttctt tgacaacaga cccgtcctaa aataattgct 660
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<210> 1981

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1981

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gagagttctt tgacaacaga cccgtcctaa aataattgct acaagaagtt tttcagacag 180
atgagaaatg ataccagaag ttaacttgga atatacaggaa tgaaaaaaag accaacagaa 240
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tacacttaaa atggtaaaat attgattcta agtagaccat gaaaaggtaa agacgtatat 480
tgtaatccct ggagcaacca ctaaaaaaca aaacaaaaac aaacagaact atacaagcag 540
ataaagttaa aaacacaata aatgtcctta aaatggtaga cacaatcca accatatcag 600
taattccatt aaatgtaaat gatctaagaa tgggtatcagc aaaaatggaa tagagaactc 660
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<210> 1982

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1982

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ccccacctc	ctgggttcaa	gcgattctcc	tgctcagcc	tcctgagtag	ctgggattac	420
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tggtggccag	gctgggtctt	aactcttgac	ttcaaagat	ccaccacct	cagcctccca	540
aagtgttggg	tttacaggca	tgagccacaa	tgcccagcca	ataaatttta	atcaagaaga	600
aaaacggcta	aatctcagtg	ggaaaacact	gtgggtgttt	aacatacctg	ggctccattc	660
tcctctttcc	cagcttggtg	gcagccttga	agacaacagc			700

<210> 1983

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1983

aactcttgac	ttcaaagat	ccaccacct	cagcctccca	aagtgttggg	tttacaggca	60
tgagccacaa	tgcccagcca	ataaatttta	atcaagaaga	aaaacggcta	aatctcagtg	120
ggaaaacact	gtgggtgttt	aacatacctg	ggctccattc	tcctctttcc	cagcttggtg	180
gcagccttga	agacaacagc	ctgcattctt	gatataaggt	cttagtggtc	gagggagcag	240
aatggaactt	actctcaaag	gattgtgggt	gcctgttttg	acctgtctgt	tggttccctg	300
aaggatgagc	acaaaagatt	tactttaatt	tcacctaa	tagaactctc	ccagggtga	360
agcagctacc	tggggcattt	ggaaaaacaa	acaaaccaca	cacacatgca	cagagttaa	420
aacaaatgca	ttcactaatg	gtaacagtta	gggaaataat	agacaaacca	aaagcttaag	480
aaaaaaggct	ggagaaggaa	acactttaag	aaataagggc	tttaaaaagc	tttctggata	540
tctaagaagg	tcacacatat	gctcagaaaa	tatcctagaa	gactctacac	tctcacctct	600
gactgacctc	cagactctgc	aagcagaaaa	ggaagggtta	ggcagagttg	taaacagcct	660
ggctaagtgt	taaaagccac	acctcaaaac	acatacagag			700

<210> 1984

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1984

acactttaag	aaataagggc	tttaaaaagc	tttctggata	tctaagaagg	tcacacatat	60
gctcagaaaa	tatcctagaa	gactctacac	tctcacctct	gactgacctc	cagactctgc	120
aagcagaaaa	ggaagggtta	ggcagagttg	taaacagcct	ggctaagtgt	taaaagccac	180
acctcaaaac	acatacagag	ctcatctgaa	gatattggga	atTTTTTTTT	tatgttgttc	240
taggtataaa	ggaaatttca	gtcatcacta	gccaaaccact	agtggaaaag	tttaattggaa	300
aagtcttttc	agtggccaca	cgtgacaaa	aatacagact	ttaaaaaatt	agttcagaaa	360
ggtcactaag	taaacaacaa	caacaacaac	aacaaacaaa	aacaactagc	aaacaatgac	420
aaacaaacctg	aaaggggagc	agaatgtgat	ttccagagtt	gtcacattat	aacagtataa	480
atgtccagtt	ttcaacaaaa	aaaattacat	gccatgaaaa	gacagaaaaa	agtatgggtc	540
atacgagcga	aaaataatta	atagaaactg	tccttgagga	agctcaggaa	ttgaacttaa	600
tagattaaga	ttttaaatca	agtattttta	aatgtactga	aagagctaaa	agaaaccata	660
tgcaaagaac	taagggaag	catgaaaaa	gtgtctcgcc			700

<210> 1985

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1985

aaaattacat	gcatgaaaa	gacagaaaaa	agtatgggtc	atacgagcga	aaaataatta	60
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agtattttta	aatgtactga	aagagctaaa	agaaaccata	tgcaaagaac	taaaggaaag	180

catgaaaaca	gtgtctcgcc	taatagcaga	tttcagtaaa	agaatagaaa	ttataaaaaa	240
ggacttagaa	atthttgagtt	aagaagtaaa	ataagtga	tgaacaatgc	actagaagg	300
gtcaacagct	atgtgagtag	gcaaagaatg	aatcagtgaa	tttgaagaca	ggtcaattga	360
gattaccag	tctgaggac	agaaaaaaga	atgaagaaaa	acaaatagag	cgtaagtggc	420
ctgtggaata	ccactgatgg	taccaacata	tgcataccag	aagacccagg	gggagaggaa	480
agaaagaaag	gggatgaaag	aatatthtgaa	gaaataatgg	ctcaaaactt	ctcaaatttg	540
gtaaaagtaa	aggatatgaa	tttacacatg	caagaagctc	aacaaacccc	aagtaggata	600
aactcagata	ttcatattgt	gatacattat	aatccaatgg	tcaagataaa	tacaaagaga	660
gaatcctgaa	agcagtcaga	gagaagtgat	gagtcata			700

<210> 1986

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1986

aatatthtgaa	gaaataatgg	ctcaaaactt	ctcaaatttg	gtaaaagtaa	aggatatgaa	60
tttacacatg	caagaagctc	aacaaacccc	aagtaggata	aactcagata	ttcatattgt	120
gatacattat	aatccaatgg	tcaagataaa	tacaaagaga	gaatcctgaa	agcagtcaga	180
gagaagtgat	gagtcata	caaggatact	taattgtgatt	aatggcta	ttcccatcag	240
aaaccacaga	ggccaaaagg	caatatgatg	acatatthcaa	agagctgaaa	gaaaaactgt	300
caaccaagaa	ttccatatgt	ggcaaaacta	ttctthcaa	atgaaggaga	agthaagaca	360
ttccagata	aacaaaaact	aacagagthc	thtgctagta	tgctgtgtgt	acaaaagtgt	420
ctaaagggag	tccttcaggc	tgaaatgaaa	gaacactthg	gatgatta	thtatgtgtc	480
aacttgactg	agccacagg	tgctggatg	thtggtcaaa	cattattctg	gatgtthccg	540
tgaggatgth	tacaggtgaa	aataacattt	aaattggtac	actgagtaaa	ggagattacc	600
ctccctaata	tggtggggcc	tcattcaatc	agthaaaggc	ctaaatagaa	caaatgact	660
gaccctthcc	caagtaaaag	agagththctc	ctgctgcct			700

<210> 1987

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1987

tgctggatg	thtggtcaaa	cattattctg	gatgtthccg	tgaggatgth	tacaggtgaa	60
aataacattt	aaattggtac	actgagtaaa	ggagattacc	ctccctaata	tggtggggcc	120
tcattcaatc	agthaaaggc	ctaaatagaa	caaatgact	gaccctthcc	caagtaaaag	180
agagththctc	ctgctgcct	atctthgaac	tgggacattg	gctththctt	gccttcagac	240
tcaaaactgaa	acattggttc	thctthtgct	tgagcctgc	tgcccttcag	actagaacta	300
agtcattaac	thctctgggt	ctccagcttg	ccaagtcacc	gtggagattt	tggtactthg	360
cagthctctgt	aatcatgaga	attaattctt	tataatctcc	thctctctc	thtacacaca	420
tacacacaaa	catgtgtata	tgtatataca	tataaatat	atatatatat	atacagcttg	480
ctggtthctgt	thctctggag	aacctgact	atacaacta	atacaacatt	atgcagtaac	540
thaaatccac	atgaaaaata	agaacacca	gthtatgata	ctatgtaggt	aaatataaac	600
attaatatta	atgatata	ththgtthta	aactctthta	ththctatatg	ththaaaata	660
caatcataaa	acaatgatcc	taaaactatg	thgatgggca			700

<210> 1988

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1988

aacctgact	aatacaacta	atacaacatt	atgcagtaac	thaaatccac	atgaaaaata	60
aagaacacca	gthtatgata	ctatgtaggt	aaatataaac	attaatatta	atgatata	120
ththgtthta	aactctthta	ththctatatg	ththaaaata	caatcataaa	acaatgatcc	180
taaaactatg	thgatgggca	taggtthgcat	aaagatgggt	tggtgththt	gthththgtht	240
ththgtthctt	gggtthththt	ththgtththt	ththgtagaca	gagthctcact	ctgtcaccca	300

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ggctggagtg tagtggcacc atcttgactc actgcaacct ccacctccca ggttcaagca 360
attcttgtgc ctcagcctcc tgagtagctg ggattacagc cacataccac cagccccagc 420
taattttttg tatttttagt agacatgggg tttcatcatg ttggccaggc tggctctgaa 480
ctcctggcct caagtgatct gcctgcctca gcctcctaaa gtgctgggat taaaggcatg 540
agctaccacc ccggccacat tacataaaga tgtaatctgt gacattaaca acaaaagtta 600
gagatgaaat tatacagcag taactttttt gtataccatt gaaactaagt tgttattaat 660
ttaaattaga gtgttgtaaa ttaagatgtt aattgtaatc 700

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<210> 1989

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1989

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gcctgcctca gcctcctaaa gtgctgggat taaaggcatg agctaccacc ccggccacat 60
tacataaaga tgtaatctgt gacattaaca acaaaagtta gagatgaaat tatacagcag 120
taactttttt gtataccatt gaaactaagt tgttattaat ttaaattaga gtgttgtaaa 180
ttaagatgtt aattgtaatc cccaggacaa atgctaagaa tataatatgt agtaaaataa 240
atgagaaaag aatcaaaaaga gtatactaca aaaatctatc ttacacaaaa gaagacaata 300
atggaggaac tgagggaacat aaaggataaa agacataata gaggacaaat agcaaaatga 360
cagaattaag ttctctctta tcagtaatta tattaaatgt aaatgaatta agctcttcaa 420
tgaaaaggca gagattggca gaatggattt taaaaagaac catgatccaa ctatatgctg 480
tctataagag acttatttta gattcaaaga cacaataat ttccaagtgt aaagatggaa 540
agcataccat gcaaacagta accaaaaatg agctgaagtg gctatgctaa tatcagacaa 600
aatggacatt gacacaaaaa tgtttcaaaa aacaaagaag tacattaata tgataaaatg 660
ctcaatgtat taagaagata ttgcaattat aaacaaatag 700

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<210> 1990

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1990

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gattcaaaga cacaataat ttccaagtgt aaagatggaa agcataccat gcaaacagta 60
acaaaaaatg agctgaagtg gctatgctaa tatcagacaa aatggacatt gacacaaaaa 120
tgtttcaaaa aacaaagaag tacattaata tgataaaatg ctcaatgtat taagaagata 180
ttgcaattat aaacaaatag gcacttaaca acagagacca agaacctatg acaaaagatt 240
gacagaattg aatgaaaagt taaaaaatag tcggaggcaa ggtgcagtgg ctcatgccta 300
taatcccagc acaatgggag gctgaggcag gcagatcact tgaagtcagg agttcgagac 360
ctgctggggc aacatggcaa aaccccgctc ctactaaaaa tacaaaaatt agccaggcat 420
ggtgaagcac acctgttaatt ccagctactc aggaagctga ggcacgagaa tcacttgaac 480
ccaggaggca gaggttgcat tgagccaagg tcatgtcatt gcactccagc ctacatgatg 540
gaatgagatt ctatctcaaa aaaaaaaaaa aagttggaga ctttaatactc atgttcaatc 600
gtagctagaa caactagaca aaaggtaaac aaagaaatag aagacttgaa caacaataaa 660
agccaccaa cctaacagac atctacagaa catttcattc 700

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<210> 1991

<211> 579

<212> DNA

<213> Homo sapiens

<400> 1991

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tgagccaagg tcatgtcatt gcactccagc ctacatgatg gaatgagatt ctatctcaaa 60
aaaaaaaaaa aagttggaga ctttaatactc atgttcaatc gtagctagaa caactagaca 120
aaaggtaaac aaagaaatag aagacttgaa caacaataaa agccaccaa cctaacagac 180
atctacagaa catttcattc aatgacagca gaatacatat tattcttctc tgcacatgga 240
aatattctat agaagagaca ttgtgttagg ccacaaaaca agtctcaata aattagacaa 300
gattgaaatc aacaggggcc aggtgtgtgt cctcacacct ggaatcccag cactttggga 360
ggccgagaca ggcagatcac ccgaggtcag gagttcgaga ccagcctgac caacatggtg 420

```

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aaaccccacc tctactaaaa atacaaaatt agctgggctg agtgggtgcat gcctgtaatc 480
ccagctactc gaggggctga ggcaggagaa ttgcttgaac tcaggaggtg gaggttgcat 540
tgagccgaga tcacaccatt gcacttcagc ctgggcaac 579

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```

<210> 1992
<211> 700
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 1992
ttgtggcaac cccaggaaat gaatagatca ggagcccaga tggagtctga gggccttatg 60
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ggtggaggca ggtagaggaa aaggaatata aaaacaaatg aatggccact tcctgcaagg 180
caggaagacc aaggagacat gatcctcaga agtccctgcc cttctcaagg ctgcagattt 240
tttaggagga tatctgacca atgctgtggt cctgagctgc caggactcca agaccctgcg 300
gaggtctttac tcatgccttt ggagactaaa tcttacagtg tggagcaagg tattgaggag 360
atatccgtcc attcaaggag ttagcaaata tnngcccagt tcggtggtgg gaaaatggca 420
atggacaaat gcatgcatgg tttatgtact ccagncctc ccaggccagt cggggaagac 480
gttaccgaag cgatcattca attctatcaa cgggtggcaag tgttacgaag cacacgggga 540
catgagaagc tgttatggga ggttttgtgt gtgtggtttt tttttttttt tttttgagac 600
agtcttgctc ttgtcaccca ggctggagtg caatggcacg atcttggtt acggcaacct 660
ctgcctcctg ggttcaagtg attctccac ctcagcctcc 700

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<210> 1993
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 1993
attctatcaa cggtggcaag tgttacgaag cacacgggga catgagaagc tgttatggga 60
ggttttgtgt gtgtggtttt tttttttttt tttttgagac agtcttgctc ttgtcaccca 120
ggctggagtg caatggcacg atcttggtt acggcaacct ctgcctcctg ggttcaagtg 180
attctccac ctcagcctcc ctagtagctg ggattacaga caccgccatc atgcgtggct 240
cactgcaagc tctgcctccc gggttcatgc gattctcctg cctcagcctc ctgaatagct 300
gggactacag gcatgcgcca tcacaccggg ctaatttttt gtatttttag tagagacggg 360
gtttcatcat gttagccagg atggtcttga tctcctgaac tcgtgatcca cccgcctcgg 420
cctcccaaaa tgctgggatt acaggcgtga gccaccgtgc ctggccatgc ccagctaatt 480
tttgtattgt tgtagagacg gggtttcacc atgtcggcca tgctggtctc gaactcctga 540
cctcaggtga tccgtccgcc tcagccttcc aaagtgtctg gattacaggc atgagccacc 600
gtgcctggtc tgttatggga ggttttgacc tactcagggg agtaaggaaa atctctctgc 660
ctctgaggga atctgaagga ttctgaaggt tttaatcagg 700

```

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<210> 1994
<211> 700
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

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<400> 1994
gggtttcacc atgtcggcca tgctggtctc gaactcctga cctcaggtga tccgtccgcc 60

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tcagccttcc aaagtgctgg gattacaggc atgagccacc gtgcctggtc tgttatggga 120
ggttttgacc tactcagggg agtaaggaaa atctctctgc ctctgagggg atctgaagga 180
ttctgaaggt tttaatcagg ggggaaaaat tttttctaga cagaaggaa acatgtata 240
aaggtctggg gtggggaggg ggaatgncca gtttagagaga ctggaggaaag ttcgatgtgg 300
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aagtgttgcc atcactcatg tgaaaaagat ggagagaagt ggggtggatta gagggagatt 540
taggggtaaa attgaacaga cttgggatat aggtaaatag ggtctggggg tgagggagag 600
ggagctgcca agtatgactc ccaggcttct ggtaggtaa ctgatgggaa gtatctcctt 660
cagtacagca gtgaagacag gatgtgtgga gggggaagat 700

```

<210> 1995

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1995

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tgaaaaagat ggagagaagt ggggtggatta gagggagatt taggggtaaa attgaacaga 60
cttgggatat aggtaaatag ggtctggggg tgagggagag ggagctgcca agtatgactc 120
ccaggcttct ggtaggtaa ctgatgggaa gtatctcctt cagtacagca gtgaagacag 180
gatgtgtgga gggggaagat gtagggggag aacaataact ctgtgttgga catgttgcca 240
ttgaggtgcc tgtggacact caagtgggga tgtacactga acagtgagtt acatgaatct 300
ggggttcagc agtaaggata agggtaaaga gagaaatttg tgtcacctgc gtgtaaagag 360
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aaatcagtgt tccagagggg ctgtggtcat cgctgggtgt cagacactgc tcagggccct 540
ggcagatgag gtctgaagaa cagccgttga aattggagat tggaggctac agtttattga 600
gacctggttt ggtgctgtta gggagctaga aggtgactg cagggcctga agagtgggag 660
agacagctcc tttagggcct gaagagtggg agagatgtga 700

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<210> 1996

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 1996

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ctgtggtcat cgctgggtgt cagacactgc tcagggccct ggcagatgag gtctgaagaa 60
cagccgttga aattggagat tggaggctac agtttattga gacctgggtt ggtgctgtta 120
gggagctaga aggtgactg cagggcctga agagtgggag agacagctcc tttagggcct 180
gaagagtggg agagatgtga ggatggggag acagctcttt caagaaattc cgctgcgggt 240
gagaacagag aactcagtg gggtcgaatg agggttttgt tcccatagta gaggcttgaa 300
cacatttaca ggccaatggg aaagatccag ttgagagcgg gtagttgagc cttcaggaga 360
gaaaagggat gttccatggg gcaaaactcct gagaaggggg aggagatgga aggaagcttc 420
tgtggatgta gcagatgcag gagggtttgt gtagtttttag ccgggctcga gccgggtggc 480
gacgcaggca ggaacaatgg ctacccatg ttttatgtgt atttccgtgt gcgtgctcct 540
gctttcccca ggtctgggcc gcctgcctgg cccgtgtgcc gtagggaata tccacactgg 600
gcctggggcg aggtgggca tctccgctc tgggcttgct ccctgatgag attctcagac 660
cgtgcttccc ctcatatcat agangaaggt tcacagagca 700

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<210> 1997

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 1997

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ctcaccatg ttttatgtgt atttccgtgt gcgtgctcct gctttcccca ggtctggggc 60
gcctgcctgg cccgtgtgccc gtagggaata tccacactgg gcctggggcgg aggtctgggca 120
tctcccgcctc tgggcttgcct ccctgatgag attctcagac cgtgcttccc ctcatcctatg 180
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ccccagggtcc ctagtcttcc tcagggtctt ctccactggt ctgcctctc tcttgatacc 600
cagttcctag ccgggggtgac cccagcctcc cgtaacagcc tccttgtggt ggtgctggga 660
agaagggggc cgtgtacccg gcaggggccc ccaggcaatg 700

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<210> 1998

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1998

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ctgggaatgg gcctcccaat ctcggtctcc aggggggtggg cccaggtcc ctagtcttcc 60
tcagggtctt ctccactggt ctgcctctcc tcttgatacc cagttcctag ccgggggtgac 120
cccagcctcc cgtaacagcc tcttgtggg ggtgctggga agaagggggc cgtgtacccg 180
gcaggggcccc ccaggcaatg ggcatgagcg caggcaggga aatccgtcag cctccaggga 240
cgtctctcct acagccccgg cgaggggatc gggctgctggc gacctctcca gacgcccagg 300
ggctgggcag gagggcgggc caaggcccc aggtgggggc gccaaagcca ggcgggcgcg 360
gagtacgtgc ggtgggctgc gggcgccatg aaggcgcgcg gcggccagct ccggctccgg 420
ctccggctcc ggctcccgcg aggcggggtg gcctgggcgt tcccaggggt cgcagaggat 480
ggcgaaacccc ggcgagacca ccggagctgg ggaccaggac gcaggcaggc gtgtggagcg 540
tgagggtggg acgtggcggc ggctcaagtg ggcggagccc cggcagcggc cggaggcgga 600
gtcgccaagg gaggaggcgc cgagctgacc gggcgacgccc gcgggaggtt ctggaaacgc 660
cgggagctgc gagtgtccag gtgagcgccc cgcccgtca 700

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<210> 1999

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1999

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ccggagctgg ggaccaggac gcaggcaggc gtgtggagcg tgagggtgggg acgtggcggc 60
ggctcaagtg ggcggagccc cggcagcggc cggaggcgga gtcgccaagg gaggaggcgc 120
cgagctgacc gggcgacgcc gcgggaggtt ctggaaacgc cgggagctgc gagtgtccag 180
gtgagcgcgc cgcccgtca gccgccagat caaccttagc gctggggcgc gggctggggg 240
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ggccgggggt cgcgccgcta gccgccagca gcgcagtcgg ggccgccacc ctgcaccctc 360
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aggggtggta ggtcagcggc gcccttcgtg cagttccctc ggctgtcggg cggggctggg 480
aacttgccg ctcttccctg tcaggctccc ggggaagtgg gcctgaccc cgggctgccg 540
gctgttggga gcgggggcgc ggcgtccgcc tggccctgag gggcctcttc atattggcta 600
agcccgcttct gcaccctccc aagggtggg agtccatagg cttgtccggg cagggtccag 660
cttgagcccc attagatggg ccattggatc agaaagtctt 700

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<210> 2000

<211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2000
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 aagggctggg agtcctaggt cttgtccggg caggggccag cttggagccc attagatggg 180
 ccattggatc agaaagtctt ttctccccc gacatccttg tggaaaccagc gttgtttttc 240
 cttggcagct gcggagaccc gtgataattc gttaactaat tcaacaaacg ggacccttct 300
 gtgtgccaga aaccgcaagc agttgctaac ccagtgggac aggcggattg gaagagcggg 360
 aaggtcctgg cccagagcag tgtggtgagc gctgtgctgg aagggaatgc gggcagtggg 420
 tacttggtag agcactgact gcctccggcc agaggacttc ccggaggagg tgacccatga 480
 gctggagtgg tcagaggaag gctggcaaaa gggcatcgtg gacagaggaa cagcctatgt 540
 gagtggnagc agagaccttg gccaatgcca ttccttatgg ccttgtagtg gaagcaaggt 600
 gatgggggaag gaacactgta ggggtagct gtccacggac gctgtctaca agaccctgga 660
 gtgagataac gtgcctggta ctgtgccctg catgtgtaag 700

<210> 2001
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2001
 gctggcaaaa gggcatcgtg gacagaggaa cagcctatgt gagtggnagc agagaccttg 60
 gccaatgcca ttccttatgg ccttgtagtg gaagcaaggt gatggggaag gaacactgta 120
 ggggtagct gtccacggac gctgtctaca agaccctgga gtgagataac gtgcctggta 180
 ctgtgccctg catgtgtaag atgccagtt gaccttcgca gcaggagcct ggatcagggc 240
 acttcctgcc tcaggatatt ctggacagcc caggtgggtc cctggccttt gtattctatt 300
 tgactttaag atggtgcagg agaatacaaa aaactatccg ggcattggtg cgcgcgcctg 360
 tagtcccagc tactcgggag gctaaggcag gagaatcgct tgaacctggg aggcagaggt 420
 tgcagtgagc caagatcgtg ccactgcact ccagcctggg agacagagcg agactccatc 480
 ttaaaaaaaaa aataaaaaaag agagatggtg caggagagca ttgggatccc tcccaagact 540
 gtgactgttg tcttttgctg tagagtgaca cccgagattt gtgcttcttg ataatagact 600
 acctggggcc tcacagcccc agccctcttg taggaaatcc tgtcctaaga ncaagggctg 660
 gagtccgtta cgttgtagct tggggcattc ttaaatgtcc 700

<210> 2002
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2002
 agagatggtg caggagagca ttgggatccc tcccaagact gtgactgttg tcttttgctg 60
 tagagtgaca cccgagattt gtgcttcttg ataatagact acctggggcc tcacagcccc 120

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agccctcttg taggaaatcc tgtcctaaga ncaagggctg gagtccgtta cgttgtagct 180
tggggcattc ttaaagtgtc cagactttgt ggagatccat tgtccaccta agaatttata 240
ggatgttttt ggggtctgct gcttgttctc agcctgtgtc tcatctgaca ttaggttcca 300
taatttagtc tctgttaaat gaactaggat ttcttttggc ttgtacttaa actgcccctg 360
aggtgtccaa ggtgcagcct ctcaactgtg tttctgggct cagcgcccag tctctctggt 420
tgcttctccc cactcacaga atgtttggtc tttgaattct tttcttttag ggctccttg 480
ttcttacaca gccgagtgtc cactgtgtgg cccagccaat gaagccacgt agcaaggatg 540
gagtgagttg gctggggggc tcatcccaa gatgctgtca tactggatca ccctagttct 600
ctgagagctc agcaggcaga cttggtgaca gcttagctga ggcattgtct gtggcatgtg 660
ataggccctt gtatcctgtc gaaagctctg cattggggta 700

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<210> 2003

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2003

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cactgtgtgg cccagccaat gaagccacgt agcaaggatg gagtgagttg gctggggggc 60
tcatcccaa gatgctgtca tactggatca ccctagttct ctgagagctc agcaggcaga 120
cttgggtgaca gcttagctga ggcattgtct gtggcatgtg ataggccctt gtatcctgtc 180
gaaagctctg cattggggta ctctagacag tgcttactta gtcaccggtt tagactggcc 240
ccagctgata tcagttcatc ccttgagtgc cttctgcctg tttggcttct gactggagcg 300
tgcttggggc tagaatgagg gacgagagag aggaggtggc ngaggcacta ttcttgcctg 360
tgggtagctc gtactctgag attgctgctt catattggca gctggccatg tgccagggga 420
ggagcccggc tgtgagtgt catcaaagga agagactacg tgggtgcagc tctgaggaat 480
gagtcggttg agggaaatcta ggggtctctc atttcctaag aaggcctccc tttttcactc 540
tgccctccca catccttggg agggctctgag actggaagca aggccttggc tgatgtgtgg 600
ccacgtggc tgatagtgtg cagagggcta ggaggtgtgt ccctggctcc tggggtctgt 660
caagagttaa ctattatgca gatggaagtt ggcaggaaaa 700

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<210> 2004

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2004

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gggtctctc atttcctaag aaggcctccc tttttcactc tgccctccca catccttggg 60
agggctctg actggaagca aggccttggc tgatgtgtgg ccacgtggc tgatagtgtg 120
cagagggcta ggaggtgtgt ccctggctcc tggggtctgt caagagttaa ctattatgca 180
gatggaagtt ggcaggaaaa gctgtgatgc aagtacatgc aagcccagca gagtgtgtga 240
gtgagagtta aacttcggga aagttgtc caactagcaa tttggacatt tgaagtccct 300
taggtaaga catcagcctg tcctagagca aagagggctg gaaggtcctg tggctgtgtg 360
gctttgtgtt acggacatgg aatgagagat agaaagacag tttttttttt tttttttttt 420
tcctcanagc agagganaat gaaaagtctg gatgatttac tggagcccta naananagtt 480
cttgttcagc tgggtgcatt gcagggcana ggattaagt tttgggtaga gtgctctcca 540
gctcagatgg aatctatctg agcctggtaa caggccagca tctgctctgg acctttcagg 600
aagtgcctgc ttagagtgtg gcctgttttg tacctggcac tctgagggcc aggggtgtag 660
ggagatcctc aggcctgggt acttgtagga gcctggaatg 700

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<210> 2005
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2005
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 agcctggtaa caggccagca tctgctctgg acctttcagg aagtgcctgc ttagagtgtg 120
 gcctgttttg tacctggcac tctgagggcc aggggtgtagt ggagatcctc aggcctgggt 180
 acttgttaga gcctggaatg agcaggtcag aggcataata gtacatgagt tcctagagta 240
 ttggtccaat cccccgcct tttgctagag aacattgctt gatgagcttt agagccagtg 300
 attgaccagt tccaggggta tccccctgat atcaatgtac tacattatac ctgattccag 360
 tctctcctga attaaatggt tcatttcttg tgggtgctcct ggaacatgga gatcgcccaa 420
 tttctgcctt gtttgcattc tcaactgttc ctagtctgga ccttctttct caccaggaa 480
 tcagtgactt tgggctgggc agctggctgc ctcagggtcca ctgatgtttc tctggtgccc 540
 ttggtactaa tgattgacat aaattatgcc tagtgcaggg ctacctgcca acatctgtca 600
 tcacattcag tcctccaaca gccctatgag atataggtcc tagtattgtc tctattatat 660
 acatggggaa actgaggaat cctataactt gtccaaggtc 700

<210> 2006
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2006
 agctggctgc ctcagggtcca ctgatgtttc tctggtgccc ttggtactaa tgattgacat 60
 aaattatgcc tagtgcaggg ctacctgcca acatctgtca tcacattcag tcctccaaca 120
 gccctatgag atataggtcc tagtattgtc tctattatat acatggggaa actgaggaat 180
 cctataactt gtccaagggtc acaaagccgg gaagtgggtat agaattgggg tttaaactctt 240
 agtatgtctg accctagggc aggtgtgcct gtccatttga ctgtactgcc ttgccctgag 300
 ctggactggc tgggtatttg tgagtgtctg catgtctaag gtaggagtga ctgcccatct 360
 gaacttaagg gaccatgttg ctgttttctg ggtccatggt gcgttcctcc ctctggtgag 420
 atccagccag gcgtgtcatg gacctgcttt atgaaccttt ggtgtaacct atgataaagt 480
 ccttaacctg ggcaggcatg ttcttcctgg gcaaagtgtg gcttcctctg ttgggagtcc 540
 attgcacttt aaggtaacag attattgagt aggactggat agctgcaata tctagcagag 600
 tgtgttttgg gtttgactct tgggtctgtc attgatttgc tgtcagatgt cagatatgta 660
 ggaaaccttc tctcagcctc agctgtttgt catttgtatc 700

<210> 2007
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2007
 ttcttcctgg gcaaagtgtg gcttcctctg ttgggagtcc attgcacttt aaggtaacag 60
 attattgagt aggactggat agctgcaata tctagcagag tgtgttttgg gtttgactct 120
 tggttctgtc attgatattg tgtcagatgt cagatatgta ggaaaccttc tctcagcctc 180
 agctgtttgt catttgatc tatcttatat ctgaaatgga ggtagttatc tagccttagaa 240
 gggttgggtg agaattagat agtagaaatg aaagattttt ggaaacaaat agtgcttatc 300
 tcagactatg ttcccaggaa acagcctgag acagagctta agtacttaat gctttatttg 360
 aagggtgaat tgcagggcag ccagggtgag ggaaaacaaa agtgaggtgc aggcctgtgc 420
 gatggctcat gcctataatc ccagcacttt gggaggctga gatggatgga ttgcctgagg 480
 tcaggagttt aagaccagct ggccaatatg gtgaaacccc atctctacta aaaatacaaa 540
 aattagctgg gcatgggtgg acacacctgt agtccaagct actcaggagg ctgaggcagg 600

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agaatccctt gaacctggga agtggagggt gcattgagcc aatattgtgc cactgcactc 660
cagcctgggc gacagagcga gactgtctca aaaaaacaaa 700

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<210> 2008
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2008
ggccaatatg gtgaaacccc atctctacta aaaatacaaa aattagctgg gcatggtggc 60
acacacctgt agtccaagct actcaggagg ctgaggcagg agaatccctt gaacctggga 120
agtggagggt gcattgagcc aatattgtgc cactgcactc cagcctgggc gacagagcga 180
gactgtctca aaaaaacaaa agaaaaaagt gaggtataaa ggaggatggg aggtggtggt 240
ttagcaagct ggctactctg cacagagatg tacttggtta ccctatgagg gccctttggt 300
agccactggg gaggccagtc tggctacttc acagagtctg gagatagtga gaggagccag 360
agattctggc gtgggcctgg atagtctcct ccactgggct gaggcaaagt aaataccctg 420
ggacctggga gatgggtgag accaagaggt tgcaagggtg gacgtaagat gcatccaata 480
tagtggtata tggattttat cctcaagtgt agttcccttt tgtgggttag tctcatccag 540
actgccaaat ctctgccaaag actatgactg aaaacccaac ttggcctttg catgtcagtt 600
ttaacagcct tctctgctac ttcattgtct agttactgaa gcaagacttt gtggtggtga 660
tggtagccag gtgggggaagt ggaagtcaac cactattcat 700

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<210> 2009
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2009
cctcaagtgt agttcccttt tgtgggttag tctcatccag actgccaaat ctctgccaaag 60
actatgactg aaaacccaac ttggcctttg catgtcagtt ttaacagcct tctctgctac 120
ttcattgtct agttactgaa gcaagacttt gtggtggtga tggtagccag gtgggggaagt 180
ggaagtcaac cactattcat gtaccagact gagaaagtat gtggatagat acagataaac 240
atcttggtct tattagggtc ttcgtgaagg agaatacttt ttcacataaa gtagttggtg 300
aagatacgaa acctggcatg gtgagatgag gctagagagg gcagtagggc ctgggtcacac 360
actcaaaagg accctttggg ctaaagagtt tgaactttat cttgacggca gtagagagcc 420
aaaggaggggc tttgataaac catgctggct actttgtaga gcagagggtg gagggaaggcc 480
agatgacatg tggagaggcc agtgtagtgg gggccaggat gcctgtaggg gaagttaggg 540
gtgggtcaga tcagggtgat gactgaggct aaggagagta gggtagcccc catacttgcc 600
taggggtgcc tggcagcagc ttataggcct gaatggacat ccatgtgctt tggtagccag 660
gtctcctgga gcctctggat cctcttaggc tgaacacaca 700

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<210> 2010
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2010
agtgtagtgg gggccaggat gcctgtaggg gaagttaggg gtggctcaga tcagggtgat 60
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ttataggcct gaatggacat ccatgtgctt tggtagccag gtctcctgga gcctctggat 180
cctcttaggc tgaacacaca ggtcctttca gccctgttat cctagagttg gaggcagcgg 240
ggagccgtgt ccagtttagt tttccccctt cacagaaggc aggcagggtt ttgttcagtg 300
ccaagcaaga ccagtttggt ctacagcaagc tcatgttctg tctctaggct gttaaataga 360
ttgttaaaac tcaggctggt gcatttgggt tgcagctggg agcttggcag agattctgcc 420
tgatgaggta aggagagaag ctaaggacgc tgctgggttg cagctggaaa catcttttca 480
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ttgtatgtct tgggaattgc ctgtgtttag aaacagtgcc agtcgcctga tgggtgaatc 600
actgttgctg ggatgttggt aggttttgca ggactttcct gtgggggtcc aaacactagg 660
gctggcaggg cccgttttga gtctgtttga gaagggcctg 700

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<210> 2011
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 2011
aaatgtcttt tccaaagtcc aggtttggtg ggacctctgg ttgtatgtct tgggaattgcc 60
ctgtgttttag aaacagtgcc agtcgcctga tgggtgaatc actgttgctg ggatgttggc 120
aggttttgca ggactttcct gtgggggtcc aaacactagg gctggcaggg cccgtttgga 180
gtctgtttga gaagggcctg ctttggtttc tttacatttt aagcatatga taaaataatt 240
ttaaaaattg ctatagaatt tcttgtagaa agattagaga aacaagcata aaaataaaaa 300
gaaattattt caccaagata tagccagatg tatgactctt ttcttgcatc tctctatata 360
cacatataca ttaatttttc cttacaaaaa tgggaattata gagtgcata ttttggggcc 420
cacttttctc acttaacagt atgcttagat ctcttcatgt tgatatatag tattcatttt 480
taatatactc cataaaaaact cattgtatag aagaaatgta aaatcttcta ttgtttagt 540
ttcctaattt gaacaagtct gtggtgaagt attttttggt gtgttcctgg tatgggacag 600
acattgttct aaactctggg gatgcagcac agataaaaact cagtattggt tttctgctca 660
agatgtcact ttgtttttca taaaagtggg ttgacattg 700
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<210> 2012
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 2012
cattgtatag aagaaatgta aaatottota ttgtttagt ttcctaattt gaacaagtct 60
gtggtgaagt attttttggt gtgttcctgg tatgggacag acattgttct aaactctggg 120
gatgcagcac agataaaaact cagtattggt ttctgctca agatgtcact ttgtttttca 180
taaaagtggg tttgacattg ttcacctcca gacttattcc agttggattc tgagggtttc 240
tgggagggct tttagcagca ctggacactt tgtaggggca ctcagcaggc acacatactt 300
tcacctactc tgtcttaagc aagctgtggg catagttagt agatgggttg gaggttggcc 360
tttcccacat tgtggggcac agtccctctc ggatgctgcc tcctcccaat ctgactctaa 420
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gtagggctcc agagtacccc tgccagagat gtcagtgttg atgtgtagt ctgggagctg 540
ctgcttgag gtgcccagct ctccaggcta gcagagttag ttatcccctt ctcccaccag 600
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gctctgccc aaccccatct gtgattcttt gaggctctgc 700
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<210> 2013
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 2013
tgccagagat gtcagtgttg atgtggtagt ctgggagctg ctgcttggag gtgcccagct 60
ctccaggcta gcagagttag ttatcccctt ctcccaccag agcaagactt tgcaggctct 120
tggtaggtaa gtcactgtga attacctgtg attctttgag gctctgccc aaccccatct 180
gtgattcttt gaggtctctc ccaaacccta tctgtgattc tttgaggctc tgcctccagg 240
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tgataggagc agaatgattt gaaaggaatg gacagacttc ctccctggaa tttatctggc 420
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tgaggagcag tcagctggtc cctttctgat cacagataca tcctccagc tctatgtttt 600
cactgtcccc tcctacata catacagaag gtgctgagcc tgagccagtc aagccttttg 660
aggaacaaga aacagacacc caatccctta ggtataaggg 700
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<210> 2014
 <211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2014
 tggaaacctgc ctggggccctg ttctcccacc accccagctc tgaggagcag tcagctgggc 60
 cctttctgat cacagatata tcctcccagc tctatgtttt cactgtcccc tccctacata 120
 catacagaag gtgctgagcc tgagccagtc aagccttttg aggaacaaga aacagacacc 180
 caatccctta ggtataaggg gcttgtgtaa gcaagagaga agccttctga aatcctggga 240
 tagagaagac agtatagtaa ggccttgagg cagacctgtg gctagaacca ggagggcctg 300
 gactctgcct cagggcaagc ccaggcttac tcactttctc ttgatgactt gntctcttct 360
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 aggttggaag ataattgtcc tgtgtgtctt gggaccccca cacctagact atgacaggaa 480
 gactgtcagc tctgcagaca tttggcatag gcatgaacac atggcgccat tcacttatgc 540
 tttccttctg atagaggatc catttgcaga tgggagttgt ggttggcctt ctctgagcct 600
 aacctggaat ctcaatggat taggatttct tctgaaagag taagatgagg aatgggtggg 660
 gtgctgtgtg tctaatacaag tatggcgggc aaaaaactga 700

<210> 2015
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2015
 tttggcatag gcatgaacac atggcgccat tcacttatgc tttccttctg atagaggatc 60
 catttgcaga tgggagttgt ggttggcctt ctctgagcct aacctggaat ctcaatggat 120
 taggatttct tctgaaagag taagatgagg aatgggtggg gtgctgtgtg tctaatacaag 180
 tatggcgggc aaaaaactga tgaactggca ttatcttaga cttagaattc tgtcagataa 240
 ggcttatgtt tttttgggaa agcatttcta tttcctttgt tttgcttgct ttgtcttagt 300
 gaatttccat ttgagcactc cagtggggtg ctcaaaagca nggcaggaag aagaccggca 360
 gagctggggt acagatgggt gctaactctc cagcacagtc taggctgcat ggctgagctg 420
 ggagacggta tcggaggctt ctgttgtgga ctgaggttta ctgccagtg gggttgtctc 480
 aggttgtgcc tatttctggg ctgatgagaa gacagtagct ggcccccttc ccatgtcagc 540
 agcccagcct gaggttttgg ccatgtgtgc catattcatt tttgtatcct gagtgcctag 600
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 gtgagaacag tgtctgcca aaggccttac tacaggaaga 700

<210> 2016
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2016
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 ggtcttcagt aaatatttgt gaatgaatgg tgacggggcca gtgagaacag tgtctgcca 180
 ggagccttac tacaggaaga aactgtcta ctaggagac tgtctcctct gactgtctct 240
 tctctggcag gtgcagactg acaagggtta gttttattcc tcttctggct ggccatctgt 300
 tgtacacctt agtttgggtg ttggtactct ggaggatatt gtgtcaaatt atctttctgt 360
 tattgtctct catgtactgt tgctccttg tgggcaggga ctggttcccc aaaacctggc 420

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actgtcctgg catatgtgtt ggaaggtaag atagaaacaa acagcagtct gtgaaataag 480
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ctgcgattcc gccttctcat ggtacaggtg gttgctggga gttgagagga tgggctctct 600
ccgcagggca cgtgacttcc cagagcaggg accagaattg agcacacatc actggctgca 660
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<210> 2017

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2017

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ggactgacag accattggaa cccgagctga ctgtacccca ctgcgattcc gccttctcat 60
ggtacaggtg gttgctggga gttgagagga tgggctctct ccgcagggca cgtgacttcc 120
cagagcaggg accagaattg agcacacatc actggctgca cgctctttgt tctttctgct 180
gtttgtcctt tttagcttct gtgtgctagg ccaggatttt gatatgtttg attatctgca 240
tatgtgtgta catgcctatg tgtctcctca cctaaattag tctttttcac tttnttgatc 300
cagtgtattg cattgaatgc ctttcagaca cttccctctg tgaccatgaa actctgggtg 360
tctgcattgc tgatggcctg gtttggtgtc ctgagctgtg tgcaggccga attcttcacc 420
tctattggta cgtgccaaca ggactgtcgt ctccctgaca ccttgntcga catgccacgg 480
atgtctctgg ctgcagcctg ttctcattta gagtgggata gccttaacta ctggttttgg 540
ccagttctga ggagagtggg actggcagag ttgctgtttt cccctataag atcccaatga 600
tctggatgtt cagggagcca gatgtctgaa ttgggtcttt cttcctggga agtgcaggct 660
gcacttgggc tctctggtct ttttgaccac cttgcccctg 700

```

<210> 2018

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2018

```

ttctcattta gagtgggata gccttaacta ctggtttttg ccagttctga ggagagtggg 60
actggcagag ttgctgtttt cccctataag atcccaatga tctggatgtt cagggagcca 120
gatgtctgaa ttgggtcttt cttcctggga agtgcaggct gcacttgggc tctctggtct 180
ttttgaccac cttgcccctg gaccagagag tggttctgag cagcaaacc tttgtatcct 240
gaggatcaag cttttcctat ccttccgacc taaagtccag agctttttat cctgtggtga 300
gccccagga tatccatgcc ccagtgtcat gaccagctat gtaacagtcg gagaatgaga 360
tttagggctg cttcttgagt gacatccagt gcacttatct caaacatccc cttggtgcct 420
ctgcctcttt cttcctgaag ttgcgagata gagcccatg agtgcctagg ccccttttaa 480
ctccaagtcc ccataatccn cagagagctg acatgttctt atcccagggg acttgcttct 540
gtgctggtat tcnnngcccc aaggaaggag gctggacatc cctcatctgt ttctactggt 600
tgtctttctt ctctcccttg cagggcacat gactgacctg atttatgcag agaaagagct 660
ggtgcagtct ctgaaagagt acatccttgt ggaggaagcc 700

```

<210> 2019

<211> 700

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2019
cagagagctg acatgttctt atcccagggg acttgcttct gtgctggtat tcnnngcccc 60
aaggaaggag gctggacatc cctcatctgt ttctcactgg tgtctttctt ctctcccttg 120
cagggcacat gactgacctg atttatgcag agaaagagct ggtgcagtct ctgaaagagt 180
acatccttgt ggaggaagcc aagctttcca agattaagag gtgtcctaag tcccancca 240
tccttagttg gccttccttc ccttctgccc ctcaaggaac aaggaagcca tccaggntgc 300
ctataagagg aaacctttga gaggtgatg tggggctggc ctggtnnctt catgccagtg 360
cttgagagga gctaagtaca tgggctaagg agtcaactgt tttttntat ttaagacctn 420
ttcccttaca ttgggggtcc cagctgttat ctagattaag gggctagaag tatctgtggg 480
gagttactgt attcattttt cattgcctct tgatgaaaag ggccccagaa cctggcacca 540
gggaattctc actaggaaaa ttgtcacagg tcaagaccta tgtgggtgga cgcattagtc 600
ttccttttcc tctggttcca cagctggggc aacaaaatgg aagccttgac tagcaagtca 660
gctgctgatg ctgaggggcta cctggctcac cctgtgaatg 700

```

```

<210> 2020
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2020
cattgcctct tgatgaaaag ggccccagaa cctggcacca gggaattctc actaggaaaa 60
ttgtcacagg tcaagaccta tgtgggtgga cgcattagtc ttccttttcc tctggttcca 120
cagctggggc aacaaaatgg aagccttgac tagcaagtca gctgctgatg ctgagggcta 180
cctggctcac cctgtgaatg cctacaaact ggtgaagcgg ctaaacacag actggcctgc 240
gctggaggac cttgtcctgc aggactcagc tgcagggtgag ggacgggtgag caggtgcttg 300
agtgaagccc tatgtttgtg tgcctcatgcc tgggttggtg tgtctgagcc tgtcttgggt 360
ctgggtgttg gtgggcaagt acattgtgga aacaggaccc tgctggtctc atggctctct 420
cccttctctg tggggacctg gaagttggct ggccttggtt ttaacatgt aatgatgttc 480
agttcttttt ttagcgtctt ttttttagtg tctgtctttt cttatttttt gctaattgaca 540
ttttccaat tatacttttag tgatacatgt ttatagaaaa gtcggaaaaa acaaaaacaa 600
gagaattata attcttaatc cagttgcccc gtggtgagca ttattaaat tgtagttttt 660
ctacctatgc atatacatgt aaaaaatgga actatacata 700

```

```

<210> 2021
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2021
tttttttagtg tctgtctttt cttatttttt gctaattgaca tttttccaat tatacttttag 60
tgatacatgt ttatagaaaa gtcggaaaaa acaaaaacaa gagaattata attcttaatc 120
cagttgcccc gtggtgagca ttattaaaat tgtagttttt ctacctatgc atatacatgt 180
aaaaaatgga actatacata cataccaggg catgcaaact cagttgcttg gagggacaat 240
gaatttacaa gtgtcaagtg ggctggatgg tggggccagg gcaagttggg gagcataggt 300
ctgatctaaa ttcattccta ttcatatgtt ttacaaacaa agcatatctg ttggtagatt 360
tgtgacagaa gaaaaaattc tgtgaatttc tcagcttctt tatatgccat tcaatgttct 420
tctgcaacat gattttaatg gctggatggg gattacctgt cagatgggtg taatctgtca 480
tactgataat actgtcaaat attggatatg ggattttttc tgaattatca 540
gcaccttttt acatatttct tgggtgtatac ttctgattac ttttttaggg taagttccta 600
gaagtgatat taccgatgag agtgtgaact ttttaaaagc tttaaactat acttgggtgct 660
tttattgtga taatactttt tatgccctaa tacttttctg 700

```

```

<210> 2022
<211> 698

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(698)
<223> n = A,T,C or G

```
<400> 2022
gggtcaacat tggatatggg attttttctg aattatcagc acctttttac atatttcttg 60
gtgtatactt ctgattactt ttttagggta agttcctaga agtgatatta cccgatgagag 120
tgtgaacttt ttaaaagctt taaactatac ttgggtgcttt tattgtgata atacttttta 180
tgccctaata cttttctgtc aataagaaga gatggtagcg tgggcctgga ggtgggctct 240
cctaactcct agccctgggt ttagtcccct ggactcactg actttttttt tttttttttt 300
ttttttgaga ctgagtctca ctctgtcacc aggtctggagt gtagtggcgg gatctcggct 360
cactgcaacc tctgcctccg gggtcaagca attcttctgc ctcagcctcc tgactagctg 420
ggactatagg cacatgccac catgcccagc taattttttt ttggtatttt tagtagagac 480
aggggtttcac catgttggct aggatgttct tgatctcttg acctcgtgat ccacccatct 540
ccacctccca aagtgtctggg attacaggtg tgagccacca tgcccgtgc cttttttttt 600
tttttttttt ttttnnnnnn nnnaaggagc aggggtctnc tatnttanc tanactggag 660
tgcagnngct attcacaggt gcgattgtag cacactgc 698
```

<210> 2023
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```
<400> 2023
ctaggatgtt cttgatctct tgacctcgtg atccacccat ctccacctcc caaagtgtctg 60
ggattacagg tgtgagccac catgcccgtc gccttttttt tttttttttt ttttttnnnn 120
nnnnnaaggg acagggtctc nctatnttan cctanactgg agtgcagnng ctattcacag 180
gtgcgattgt agcacactgc aaccttgac tncctggcct acgtgacct cctgcctcag 240
cctcctgagt agctgggact ataggcacag tgccattgta cccagctntt cactgcctnt 300
tttccntgag ctgngagtgc tgattaactt canactagct gtctctcttg ctganacatt 360
ttancccatg tggccanact ggggttgggc tgggggcagg gtggcctctg ganagggatt 420
ggtgagctca nccaggctgg agctgtgccc agtgagctca ctgcctccan aaaccacggn 480
tgcttttccc anactcccgc ctntccgcct gggcctgcag ctcgggacag gctgttctgc 540
ctgcacggna ggagactaag cctaccaga tgacctctc tctccaatct tgttctcaca 600
ccctacactc caccatcatn tggttccttt ggaaaacctn ntgattacct ggaaggagat 660
agggcaggcc cagagaataa ttggtngnnt tcatctctga 700
```

<210> 2024
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```
<400> 2024
ctntccgcct gggcctgcag ctcgggacag gctgttctgc ctgcacggna ggagactaag 60
cctaccaga tgacctctc tctccaatct tgttctcaca ccctacactc caccatcatn 120
```

```

tgggttccttt ggaaaacctn ntgattacct ggaaggagat agggcaggcc cagagaataa 180
ttggtngnnt tcatctctga ctttgagttc ttgcccctga aacgagcagg gcatgctgac 240
agtgtggcctt ttcctggcag catgttcccc tactcccacc ccaccagatt ntaaaactctt 300
tagagtccct gaccatgtag ctatgaagac aaggaaggca gggttacagc ttcttgggtcc 360
ctgtccccag ttatggctga agtgatgtt taggtctgaa gtcataagggtg gcagtggata 420
cagctactct tgggaagagg ttggggaagg aatggccttg ttgttcccct ctcaactctc 480
agcttagagg cagaattgaa ggccctaagt cagcctggga aggcttggct cccacctggg 540
attgtaggag gtacacatct tactttacag ctagggttg gagtcccaga aaagcctcct 600
tggagtactt ctgtgggtcaa aagctctccc acgcttcagg ctgtggtctt gagcaccata 660
actggagagc ccatgccctg aactcattga aggtctgagt 700

```

<210> 2025

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2025

```

ggccctaagt cagcctggga aggcttggct cccacctggg attgtaggag gtacacatct 60
tactttacag ctagggttg gagtcccaga aaagcctcct tggagtactt ctgtgggtcaa 120
aagctctccc acgcttcagg ctgtggtctt gagcaccata actggagagc ccatgccctg 180
aactcattga aggtctgagt ggtgggagta cagaggagaa cagncccacc gtggtctctt 240
aggggacgga ccttgctggg ttggtgcaac cccaccttgg tccttggcct gtctagggtg 300
tccttcagct gtcaacctag ggggaggggg atgacttcca ggactttcat catcaccttt 360
ctggatgata agtgccagtg gtcagtaatg agtggccagc tcggcttcat tagttaactg 420
tcattgtccc ttggactcct caacttgaaa tgtgtgctgg aagtctgtgt ttacctgact 480
agcccaatta ccctggatca aggttttcca tgggatttat tttccactga gtggttgaca 540
gttcttctctg agtcctctcc cgtgctcttc tcagttaccc tctctatcct ctgtttcttc 600
tgtctccacc agctctgact gaatgatttg gagccaagac ttctggactc ctaaataatta 660
accaatatgg ggggctgctt ctacttagtt ccaaagagca 700

```

<210> 2026

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2026

```

aggttttcca tgggatttat tttccactga gtggttgaca gttcttctctg agtcctctcc 60
cgtgctcttc tcagttaccc tctctatcct ctgtttcttc tgtctccacc agctctgact 120
gaatgatttg gagccaagac ttctggactc ctaaataatta accaatatgg ggggctgctt 180
ctacttagtt ccaaagagca acacaggcag taggtatggt gaggagtaag aaaggaaaag 240
tccccataga ctggagtcac cagggaacaac ttcctggtgg aaggggggcaa cagcctttga 300
gggagggggc ggggaaattt cactagccag agaccctctt tgtggctgcc tctctgggcc 360
caagtggaaat tctgcccctg gatcaagggt aatctcttgt tctgactctc atttgggaag 420
ttttatcgcc aacctctctg tgcagcggca gttcttcccc actgatgagg acgagatagg 480
agctgccaaa gccctgatga gacttcagga cacatacagg ctggaccag gcacaatttc 540
cagaggggaa cttccaggta actcaccact ccaggcggtg cctgtcccgc ntgtgtctct 600
ttagtggcgg gacaggttgg agccaccacc aacttgtggc ctttaacctc ggggtgcacct 660
ctggtgcacc tcttggctca ccagtttgtg ctggactccc 700

```


<210> 2027
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2027
gacttcagga cacatacagg ctggacccag gcacaatttc cagaggggaa cttccaggta 60
actcaccact ccaggcggtt cctgtcccgc ntgtgtctct ttagtggcgg gacagggttg 120
agccaccacc aacttggtgg ctttaacctc ggggtgcacct ctgggtgcacc tcttggtca 180
ccagtttgtg ctggactccc tctcccatga caggtttctc cctcagcccc tgccctgcca 240
cctccctcca tgtattagcc aaggccctct cctcttgcac ctcagagaaa gccaaagtgt 300
ctgctcagga accccctcca cgtctgtccc cagagcacca cacagatctg cattcagacc 360
tgcttcttgt ctcccaccct ccaatgtctt ttcactaag gctgatctgg gcttactatc 420
cccctgtctt gagtccctct agttacagtc tctgtccta tacattctgt ctccacctct 480
ctgggttcta cccttgagct cccatatagg ctctattctt gctcatctta acacttgcc 540
ccctcggtat ctgagagtct ttcgagtctt tgctgtgat tcatctcttc tcccctcctg 600
gttaggctac tggatagagt aatctacact ctgtccattt tcctggttcc catatactcc 660
tgaactcaca gtatctggcc tttttcccca ctgtcactga 700
```

<210> 2028
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2028
cccatatagg ctctattctt gctcatctta acacttgcc cctcggtat ctgagagtct 60
ttcgagtctt tgctgtgat tcatctcttc tcccctcctg gttaggctac tggatagagt 120
aatctacact ctgtccattt tcctggttcc catatactcc tgaactcaca gtatctggcc 180
tttttcccca ctgtcactga tgctgttctt acaaggctcat cagtggcngc ttggctggta 240
aaccagcgca acaaggttca cacataatgt tctttaactt cccagcagca tttgacagat 300
agattgcctc attctttgtg atgttctctc ctcccttgaa ttctggcata ctgatctctg 360
cttctctttt agcctctctg gtcattttct ctcaagtggc ccctctccca ctgacttccc 420
agtgttagtg tttataagaa gatgttttga gggctgctgg agacaagtaa cccagcgat 480
tcaactgtgtg aggctcatgc agaccagct tattccagct ccagaacctc agctgcccc 540
tttagactcc attagagaga gggcagttca gggcacctgc aagatctggt cactctgtag 600
ccttgagatt gggtgcttgg aggagggaac cataccctgg cgttgacctc tcacgttcac 660
tcagcaaacc catgagtgtc ctgaataggg ttatggggca 700
```

<210> 2029
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 2029
agaccagct tattccagct ccagaacctc agctgcccc tttagactcc attagagaga 60
gggcagttca gggcacctgc aagatctggt cactctgtag ccttgagatt ggttgcttgg 120
aggagggaac cataccctgg cgttgacctc tcacgttcac tcagcaaacc catgagtgtc 180
ctgaataggg ttatggggca gaaaggaatt actccctagg actccatcct tacctcatct 240
tctccctgag caccttcccc aggtgagcac agccatttcc atcacctgag gtggatgaca 300
```

```

tccagatctg tgtttcttgc caaggcttgt ctcccgagct tctaaccagt gtagacggat 360
gcctttggga catctgtact tgaatgtccc atggacttct cgaacttcat gtgtcctgaa 420
ctgaaatcct catctccttg taaacacttt accttcccc tcctccttct atctcagcaa 480
aaaggacctc catcctctgg ctgcctaagc cagaagccta aggcctatgg attctacctc 540
cttctctcat gtcttccgtg cttatcccc gactccagcc tcacagctac ttttttctca 600
atgtgattat caaaatacca ttctgacttg tctcctacct ccagcttact gcttaagacc 660
atcctccatg tgggtcttaag cacacatttg ttcacatgag 700

```

<210> 2030

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2030

```

ctgcctaagc cagaagccta aggcctatgg attctacctc cttctctcat gtcttccgtg 60
cttatcccc gactccagcc tcacagctac ttttttctca atttgattat caaaatacca 120
ttctgacttg tctcctacct ccagcttact gcttaagacc atcctccatg tgggtcttaag 180
cacacatttg ttcacatgag ttcttgatta ctgtgcttaa tttccaaagc taaacccaaa 240
ctcctcctgt gtgtggtctt tggggctctg catgactcca ttttctggc ttccttgccc 300
attgtactca gctttcccta tctctcagct cttttgtctc aaccttcta taggaatacc 360
tttacctcga tcagctaggc tactccatgt ctgattgcct atcagcactc agctcagctg 420
tcactctccc aaatgctctc caggagtag acattcgagt tggctctggg gaggatgctg 480
agtgccaggg agccattctt agcattcttg gcctctggga gacatgttga taatagctac 540
tggtcattag catcctgggg agcataggag acatcttcat atgtcatctt attgaattct 600
tgccacaagc tctttaaaat tgatgatatt atctttattt agagataagg ggactgagac 660
ttagatatgg taacttgtct atagtcacac agctgggttg 700

```

<210> 2031

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2031

```

agcattcttg gcatctggga gacatgttga taatagctac tggtcattag catcctgggg 60
agcataggag acatcttcat atgtcatctt attgaattct tgccacaagc tctttaaaat 120
tgatgatatt atctttattt agagataagg ggactgagac ttagatatgg taacttgtct 180
atagtcacac agctgggttg cgccctagtg aggccaacac aaacctagtt tagttcagct 240
ccagagcccc agctcagtca gctatgttac tctgccccag caatgtaggt tcctgggcct 300
gcagagccag aggagacctg tggagaagga aaaggggctc caggagcccc ccagtccttg 360
gcctacctag ggacttcatc ttgtgtttac tgtccccaac ttcctattcc tcgttattgg 420
ttcctgagcc accgggggta gcagacctg gtctctgaag cathtagcct actgtgtagt 480
ggtttcattc caggcagaaa gagccttctc tgagttcttt tgtgtcagcc atgcccaggt 540
tgctgttaat ggggctgtgg ggagtcttcc ttgctttcca gggagagtca cagccccac 600
ttcccccca tggatatctg tttctcatta ttctctgagg aaccacacac atagcttttc 660
ccatcttgag ctcaccctaa atcctgcate tccctatagc 700

```

<210> 2032

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2032

```

gagccttctc tgagttcttt tgtgtcagcc atgcccaggt tgctgttaat ggggctgtgg 60
ggagtcttcc ttgctttcca gggagagtca cagccccac tccccctcca tggatatctg 120

```

```

tttctcatta ttctctgagg aaccacacac atagtctttc ccattcttgag ctcaccctaa 180
atcctgcac tccctatagc tgcttcttca tattggcttg aaactatctt catgggtcact 240
ttccagcact cctctacag cagatgacct ttggtcataa gaccactga actgatactc 300
agcaaggtec ctgccactta acagccaaag ctggcactgc aaccttggct cttggcctcc 360
cttgggtgtc ctcacaccac tcccgtcccc tctgtttctc ctatctttag ttcatctca 420
gggttattca ttgtctgttc tttctgggta ggtgtccct ggagctctgg ccttagtcat 480
cttctccatt ctttccnag agttcctgca agctattttc ctcacccatg gcttgggtgc 540
cacctaaatt tatgtttttt atattcagct aatttttcca tcctctagac tcatatggca 600
aactgcccac cagacatctt cttctctgtg gtccacagga ccttcccact gtcctcaaca 660
atgcttcctg gtgggtttct ggggctcccc ctaaaaaggc 700

```

<210> 2033

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2033

```

agttcctgca agctattttc ctcacccatg gcttgggtgc cacctaaatt tatgtttttt 60
atattcagct aatttttcca tcctctagac tcatatggca aactgcccac cagacatctt 120
cttctctgtg gtccacagga ccttcccact gtcctcaaca atgcttcctg gtgggtttct 180
ggggctcccc ctaaaaaggc cccttcccac ttgggagatg gggaatctga ggctaaggag 240
tggtgtgaa cccagtgcca gggcagggtt gggccatctg tctgtgctca ctgtgtcagt 300
ggccctttag gatatgcagt ctaaatgtcc gatggagttc tgcttgggta tgccccctat 360
ccagtggctc aggttttct tgaagnngga atctctttcc ctaatccaga ggctctttgg 420
agcctgacaa tttacttccc ctgctgtagg aaccaagtac caggcaatgc tgagtgtgga 480
tgactgcttt gggatggccg ctcgcntac aatgaagggg actattatca tacggtgttg 540
tggtggagc aggtgctaaa gcagcttgat gccggggagg aggccaccac aaccaagtca 600
caggtgctgg actacctcag ctatgctgtc ttccagttgg gtgatctgca ccgtgccctg 660
gagctcaccg gccgcctgct ctcccttggt aaggagattc 700

```

<210> 2034

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2034

```

ctcgcntac aatgaagggg actattatca tacggtgttg tggatggagc aggtgctaaa 60
gcagcttgat gccggggagg aggccaccac aaccaagtca caggtgctgg actacctcag 120
ctatgctgtc ttccagttgg gtgatctgca ccgtgccctg gagctcaccg gccgcctgct 180
ctcccttggt aaggagattc taggggaagg taagatngga atggagagtg gnanaggaaac 240
tgactgtgc tggcatctgc ctgaccctc tcctgggact gagtcagttt accctgtcac 300
ttggccagtg actaatgcct tactgacttt aggaccagtc cagcttctta ctagctcctt 360
accacctca atccttgccct taggtttgcg cagtcgctga tagatacgt caggcctgtg 420
gcacttgttg gcctttttta taaggactct gttatggtgt atctgtcacc atgcaggact 480
acacaggggt gaacctttac tacatcagga gcagctcagg agtcagggtg tacttttagga 540
ttgttacagt gacaaacagt agcgggtgcta ttagaggcct gaggtctaag agtaggactt 600
catatggcat tgatactttg tgtgccttgt gctgttggac tgaagaaggc caaaagcact 660
gtgcctttta aactcatcta cctttttttt tttttttttt 700

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<210> 2035
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2035
 tacatcagga gcagctcagg agtcagggtg tacttttagga ttgttacagt gacaaacagt 60
 agcgggtgcta ttagaggcct gaggtctaata agtaggactt catatggcat tgatactttg 120
 tgtgccttgt gctgttggac tgaagaaggc caaaagcact gtgcctttaa aactcatcta 180
 cctttttttt tttttttttt tgagacagag tctcactcat ccagcctgga gagcagtggc 240
 acgatctcag ctcactgtaa cctccgcctc ccgggttgat gagattttcc tgcctcagcc 300
 tcccagggtg ctgggattac agaggcacat gccccatgtt gtattttctt tagtagagat 360
 gaggtttttac catgttggtc aggttggtct cgaactcgtg acctcacgtg atccacccgc 420
 ctcggcctcc caaagtgtg ggattgcagg tatgagccac cgcacctggc ctctgttgg 480
 tttccagtta cgaccagcgt actctgggtta gatgctgtgg aaggtagaat gcagcatgca 540
 ggtgagctgc tgggagagaa accettacag aataatttct ctaaagacc taacagatgt 600
 ttgtggtttc cttttccttc tcattccttg cattttctag acccaagcca cgaacgagct 660
 ggagggaatc tgcggtactt tgagcagtta ttggaggaag 700

<210> 2036
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2036
 actctgggtta gatgctgtgg aaggtagaat gcagcatgca ggtgagctgc tgggagagaa 60
 accettacag aataatttct ctaaagacc taacagatgt ttgtggtttc cttttccttc 120
 tcattccttg cattttctag acccaagcca cgaacgagct ggagggaatc tgcggtactt 180
 tgagcagtta ttggaggaag agagagaaaa aacgttaaca aatcagacag aagctgagct 240
 agcaacccca gaaggcatct atgagaggcc tgtggactac ctgcctgaga gggatgttta 300
 cgagagcctc tgtcgtgggg aggtgtcaa actggtgaga tgtgtgaggg ggctaggggtg 360
 ccaaagctgt ggacctggac tctggctctg ggcaggcaga tttggggaag gtgttcttta 420
 ttctgtaggt acttttctca gtatatcccc cagtttttca tggcatctcc tgaggctgac 480
 atgtggatat tctctgaggt gtaggaaagg agactctctc ccctcgtgcc ccaggtagag 540
 tgttgctcct ctaagttacc agtgagctcg cctccttacc ccaatatgtc ccactttttg 600
 cttcactcac tgttggaag aaaacaatgg gtggacgtac ctcaggcccc aaaagaagtc 660
 atggtataag tggagagtaa gtctctgtgg taaagacacc 700

<210> 2037
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2037
 gtaggaaagg agactctctc ccctcgtgcc ccaggtagag tgttgctcct ctaagttacc 60
 agtgagctcg cctccttacc ccaatatgtc ccactttttg cttcactcac tgttggaag 120
 aaaacaatgg gtggacgtac ctcaggcccc aaaagaagtc atggtataag tggagagtaa 180
 gtctctgtgg taaagacacc agcgtgtact agagcttggg atcgagcctt tgagagccct 240
 gggatccctag tgcttcctga ggaggcccag gtgtgacagg ctctgagcct tttccatgcc 300
 cctgtctgca tggcttctac tggctcctcc accaagaaag gtttctcccc tgtcccagcc 360
 cttcagacct actcaagtct tcacgaaaag ggtcaggaat tactttctgc catgggactt 420
 gaggatgtga ggtgattttg ggagagaaga aaaattgcat gattttgtggg gtgttatttc 480
 atgccagtta agctgaaggg gctctcctct cctctccccct cccccattc cccctctcc 540
 tcccccccc cctccccctc cctccccctc cccctccccct cccctctctc cctctctctc 600

```
ctcccccccc tccctccctt cctttcttcc ttcttttttc ttctcttttt cctgtttcct 660
nnttttcctt ttnttttctt tcttttgtct canctgtcg 700
```

```
<210> 2038
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G
```

```
<400> 2038
gctctcctct cctctccctt ccccccattc ccccctctcc tcccccccc cctccccctc 60
ccctccccct cccctccctt cccctctctc ctccctctct ccccccccc tccctccctt 120
cctttcttcc ttcttttttc ttctcttttt cctgtttcct nnttttcctt ttnttttctt 180
tcttttgtct canctgtcg cccaggctgg tgtgcagtg tataatcata gctcactgca 240
gctttgacct ccagccttg agcaatctc ctgcctcagt ctctgagta gctgggacta 300
caggtatgca ccatcatgcc tggctaattt tttagagaca ggtctatgtc atctaggctg 360
gtcccaaact cctggtctca agctatcctt tggcccnca gagttctcgg attacaggca 420
tgagccactg tgcattgcca cctgctggga cttttgtttt cttctgtggt gtggtgggag 480
ggagcagctg ctggccatga ggtgagtcca gtgtctgcag acagccagac tgggaccgag 540
gattaggact cactcagctc agggcctgtt actctgtgct ttccagacac cccgtagaca 600
gaagaggctt ttctgtagg accaccatgg caacagggcc ccacagctgc tcattgcccc 660
cttcaaagag gaggacgagt gggacagccc gcacatcgct 700
```

```
<210> 2039
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 2039
ggtgagtcca gtgtctgcag acagccagac tgggaccgag gattaggact cactcagctc 60
agggcctgtt actctgtgct ttccagacac cccgtagaca gaagaggctt ttctgtagg 120
accaccatgg caacagggcc ccacagctgc tcattgcccc cttcaaagag gaggacgagt 180
gggacagccc gcacatcgct aggtactacg atgtcatgtc tgatgaggaa atcgagagga 240
tcaaggagat cgcaaaacct aaagtaggtg tcaactgtagg tccttctcgg gtcactgaag 300
ggggaaggct ctttttctca tccctagcac tatgggtggt tggtttgccc atctagccac 360
cctttatcca tatctagcat gggcctaccg tggggatata gagatgcttc agactcagcc 420
tgaccttggt agttcatggt ccagtggaa aagaacaggg taaccaatgt ggacagccaa 480
gtgctatcat agaaggctac gctgggaaca gggcaggtct acactggtgt gtcagttcac 540
ctggttgggg gactggtgct tgggtgagtt ttttggaat gttccatagg atgctatgaa 600
gctgggtcct gtggagctcc tgattaggac tgtaaagag gtgaatgact tagaggagaa 660
tgtatatctt tataatattg ggtcttctca tccaagggca 700
```

```
<210> 2040
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 2040
gctgggaaca gggcaggtct acactggtgt gtcagttcac ctggttgagg gactggtgct 60
tgggtgagtt ttttggaat gttccatagg atgctatgaa gctgggtcct gtggagctcc 120
tgattaggac tgtaaagag gtgaatgact tagaggagaa tgtatatctt tataatattg 180
ggtcttctca tccaagggca tgacaggtct ctccatatct ttttaagttt tcttcatata 240
agccttgaac atttcttaag tttattcctt ggtagtttct ttgttactgt taatttactt 300
tatttcttca ttattatttt taactggtta cattatttta ttagtttact attatatgcc 360
aaactattga ttttacaat acatttcata gtaagagcta atgtttactg aattcttaac 420
```

```

tgtggcagga acttctaagt gcttaacata tatattaagt gttatgtcac agttatgaac 480
agctgctcat aatgatgtca ctgtctctgt tttacctatg aaaaagcaaa ctcatacaga 540
ttgcagctag tggttgaatt tacttatttc ttttttggtt tttagctgat ttctcttttg 600
ttgcctggat agcattaaca cctggaaata aggaaaattt tattttctcc tgatacttgt 660
agttcctttg tttttataac cttattgaat tgcccagaac 700

```

<210> 2041

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2041

```

ctgtctctgt tttacctatg aaaaagcaaa ctcatacaga ttgcagctag tggttgaatt 60
tacttatttc ttttttggtt ttttagctgat ttctcttttg ttgcctggat agcattaaca 120
cctggaaata aggaaaattt tattttctcc tgatacttgt agttcctttg tttttataac 180
cttattgaat tgcccagaac ttctagagca taattacgta gaataggcat ccttgtctca 240
ttcctgaatt tcctggaaat tcctatggta ttttactgct aagaatgcag ttggctgttg 300
gttttgata tatgccatgt tttaaaatta ttcttctgtt tctagttcat aaaagatttg 360
ttccccattt gacatctttc aaagagacct atttgctgcc atatcccatc actgatgatt 420
gggaggggag atttagctcg attctctatt gctctgctcc taatagaatt gtaggggccc 480
aggtagccag gagggccgac actcatggag agacctgaaa taggttccta tcctggcccc 540
tggacctcat cttggaacag ctttggcctt aggtactagg acatctaggg ctttgagtca 600
gtggttgcca tcatcgatgt ggctgaggaa gggggctagc cagatatatg gagaatgggg 660
actaggactc ccctttctac tcagctccag agtctctccag 700

```

<210> 2042

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2042

```

actcatggag agacctgaaa taggttccta tcctggcccc tggacctcat cttggaacag 60
ctttggcctt aggtactagg acatctaggg ctttgagtca gtggttgcca tcatcgatgt 120
ggctgaggaa gggggctagc cagatatatg gagaatgggg actaggactc ccctttctac 180
tcagctccag agtcctccag gaaagaaaac tactttgttg gttgtgccag gatttcctga 240
gagattttctt acccgttctt cagttccaga cactgagaac atttctctgt gcatgtgtgc 300
atatgtgtac acatgtgtgt ggctggccag ngggtagtgt taggaaaaga tatatttgaa 360
tagaagccat gcaaagagcc aaacaaggtt ggcaaacatg tttggctctt aacatggcct 420
ctattcaaag ataagctgac cctcctttc cggagactgt gagggacaga tgctattctg 480
gctttgaagt agagccaatg agcttaactt ggctgtggg gaatgcctgg cagctgtctg 540
tggggtctct ggctgctttt caaaatagcc ctgtgcttcc cctggggcag agcacagctg 600
ctcagagcct ctttgtgggt gtcaggccaa tgctgaggca cagatgtttg gatggggtct 660
ggctgtggct gcagttttca gggagggact gacatgagct 700

```

<210> 2043

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2043

```

agcttaactt ggcctgtggg gaatgcctgg cagctgtctg tggggtctct ggcctgcttt 60
caaaatagcc ctgtgcttcc cctggggcag agcacagctg ctcagagcct ctttgtgggt 120
gtcaggccaa tgctgaggca cagatgtttg gatggggtct ggctgtggct gcagttttca 180
gggagggact gacatgagct gaagctcagg aagggccatg agtaggagct tgggagccgt 240

```

```

ctgtcctgct tgtgctggcc atcttaccag atcatgccat agcagcacag tgtccaagtt 300
gggtccatctc acccccttac tagccttctg gtccatctac tctcttccat cccttctgcc 360
accacctggc ccgggccacc atcatctctt gccctgacct ctgtcgtggc ctactagcc 420
tcccagtcoc cactctggcc cctcattagt caactctcca tgagggtattc acagtgatcc 480
attttacatt cacattttga gtgtccctcc cctgcataaa gccttcccca tttctcgttg 540
gccacaaggt tgcattctagt tctagcccc tgcttgtctc ttcagcctgt tctctcttac 600
tacttcccat aacctttaat ccacacctac tgcaacaccc attttcattc ccaggcctct 660
ggattgctgc tctttccctg ttctgtgaat gtctctctac 700

```

<210> 2044

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2044

```

gtgtccctcc cctgcataaa gccttcccca tttctcgttg gccacaaggt tgcattctagt 60
tctagcccc tgcttgtctc ttcagcctgt tctctcttac tacttcccat aacctttaat 120
ccacacctac tgcaacaccc attttcattc ccaggcctct ggattgctgc tctttccctg 180
ttctgtgaat gtctctctac ttggataact catgttaacc cttcaggcct cagctagggtg 240
gtctcctccc ctaggaagct attcttgaca ctataccctn agcttccana ggatggtaag 300
ttcacccatg ctgtgctgca gttacctgac tggttttctg ctttccccac ttgactgagt 360
tgtaagagtg cagggggccat gtctcagtta cctagcatag tgccaggcac aaagtaggca 420
ctcatcaata tttattgaaa tcaaggggaa gtgtgttggg gtgggagtac ctgggcctat 480
ggccccaccc atgtgaggtc atgaggacag tccacagctg aagcacatgg acctttgcca 540
tggttggtgg ctctggggcg cgagtccccc ttgggggttt actaagccta actgtggagg 600
ctgggggaga tgaagtagat gcaggggagt catgtgtagt gtgtacctgt atgagtgggt 660
ggcttccagg cagtgggttca cttattttaa cttacagaat 700

```

<210> 2045

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2045

```

atgaggacag tccacagctg aagcacatgg acctttgcca tggttggtgg ctctggggcg 60
cgagtccccc ttgggggttt actaagccta actgtggagg ctgggggaga tgaagtagat 120
gcaggggagt catgtgtagt gtgtacctgt atgagtgggt ggcttccagg cagtgggttca 180
cttattttta cttacagaat cttttcctgg ttttatcatc tgacttgtaa ggatcccaag 240
ggagcgaaaa ctgtgccatc tgtctttgct tcttgaggct gtgggaaccc agtgtgagg 300
ggatggtgga acttgactca attgagagaa gtacataagg cggaggctca ggcattggtg 420
cacagtctga aaatggtggg agtagctaag ctgaggcagg ctgtgctcag gcagggggtg 480
tatgtgggcc tggcaaggaa aggggctagt caggcagatg catgggtaga caaggcagg 540
ataattctgc aggcacaaagc gacctgggga ggagaaggga tgagcagtga ccgagcagg 600
caatagccag naactgattg cggattggga atgtggaggc ctcagactct tgccctcaac 660
tggcctgcag gatcttgggg ccttggctag agccattggc 700

```

<210> 2046

<211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2046
aggggctagt caggcagatg catgggtaga caaggcaggg ataattctgc aggcaaagcg 60
gacctggggg ggagaaggga tgagcagtga ccgagcaggg caatagccag naactgattg 120
cggattggga atgtggaggc ctcagactct tgccctcaac tggcctgcag gatcttgggg 180
ccttggttag agccattggc tgcaaagctt cctccactag catggcagta aatctggtcc 240
cagtgtcttc tgggaaaata ttcaaggcaa aacaaacaaa caaacaatc aagtcttccc 300
tctctctctt ccttctagct tgcacgagcc accgttcgtg atcccaagac aggagtcttc 360
actgtcgcca gctaccgggt ttccaaaagg taagcaaaga gcaggggttc gtagctgctc 420
aagccccaac ttcaggactt ctcagtgcct accctagggg tgggtggctt gccttttctc 480
gcctgtctgg acctcctcac ccccttgccg caggcatcct gtactgcctg ttcattgctg 540
ccctgactct ggggacagag ttcaggaccc catggaagcc tgcccttcgc tcttcttttc 600
tctgcccttt tctttttgcc cagctcctgg cttagaggaag atgatgacct tgttgtggcc 660
cgagtaaata gtcggatgca gcatatcaca ggggtaacag 700
```

<210> 2047
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2047
ccccttgccg caggcatcct gtactgcctg ttcattgctg ccctgactct ggggacagag 60
ttcaggacct catggaagcc tgcccttcgc tcttcttttc tctgcccttt tctttttgcc 120
gacctcctgg ctagaggaga atgatgacct tgttgtggcc cgagtaaata gtcggatgca 180
gcatatcaca ggggtaacag taaagactgc agaattgtta caggtaacag tagtacctgg 240
gactgttaga gttgggaagt ggggtattgt ggctagatgg tctcacaggg tgtccagaac 300
tgggccaaga ggcccaactg tatgactact gcctgatgct atgaatatgg agtgatctca 360
ttttaggaaa ccagaattaa tcatgcctgc tggctttcaa caattagtgt tcaacaaata 420
tctattgagc atctnctgtg tgcccaagtg tgctgcaagc tagggatcag gggtagttat 480
ggtaggttcg ttcattgtct cttgacaaca gaagctcaaa tcctgaatgg tctcagggac 540
atctctaaga gagctaaaaa tgacttcaga ggccatgggt ctgtgtcata atcaaataca 600
tttgaaggta aaagtattct gtgtgttttc tctgctgna ccacaactga agttgctcca 660
aaagcagcag caggggactt cccatgaggg actgccaaga 700
```

<210> 2048
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2048
cttgacaaca gaagctcaaa tcctgaatgg tctcagggac atctctaaga gagctaaaaa 60
tgacttcaga ggccatgggt ctgtgtcata atcaaataca tttgaaggta aaagtattct 120
```



```

gtgtgttttc tcttgcctgna ccacaactga agttgctcca aaagcagcag caggggactt 180
cccatgaggg actgccaaga tggggctcagt tgagaattca aagaaagcgg cactaaaccc 240
ctgggtcttc agtccacagc atttattagg gaacttgcag agtgggctgc agcaatcctc 300
aaaatggaca gcaagagaca agaattgttt tacctaagta tttccacagt gagggagtca 360
gagtgtggag tttatttgag ggttttaggga atttggttca gggctggggc tagtttcttt 420
cagtgttatg ggcaacaacc taaacacctt catcagtgcc tgggaatgtt gaagactcca 480
gcttgtgttc cagcctgaag ggaaaaacct gcagctggct gggtcacaga gctgtcaagg 540
gagtctgatt ttcagtcaga acaaagaaag aaaggcgggg tgggtctggg ggaccttaca 600
ctgtgatatg taggtggaag tgagaggcct ggactgggta agctggtgca ggtggaatgt 660
tcttgtccaa gtactccac tgggaccctg gcttctctgcc 700

```

<210> 2049

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2049

```

ggaaaaacct gcagctggct gggtcacaga gctgtcaagg gagtctgatt ttcagtcaga 60
acaaagaaag aaaggcgggg tgggtctggg ggaccttaca ctgtgatatg taggtggaag 120
tgagaggcct ggactgggta agctggtgca ggtggaatgt tcttgtccaa gtactccac 180
tgggaccctg gcttctctgcc tttattcaga ggtgattttg aagaaatgtg gcagcaccct 240
gctgaaagggt tttgggtaaa gctccttatt aaagtatcct cttgggtaaa gcttagtaaa 300
gtgtcctctt gggatttgag tccaaatcag cactggctat gttcccttat aaatattgga 360
acttctgtgt tctgttgtaa aattgatgac ctgagacacc ntcagagaag tttcactggc 420
atctttctag aggctctgg gtctctctgt ttggccaaag tttctgtata cttaaagata 480
gcagccttta cttttaggat tggcatttgg gtctgatcta ccatagatct cattagaata 540
ttgattaaag atcatttggg aaagattttt tgaacttttg cttggacacg cctaagcaaa 600
tcagccttct ttttgttggt tttctgtgtg agctgcatca gcaattggaa aatcaatttt 660
gaaggctcatc tttatggatt ggtgtgaagt ctaccagagt 700

```

<210> 2050

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2050

```

tggcatttgg gtctgatcta ccatagatct cattagaata ttgattaaag atcatttggg 60
aaagattttt tgaacttttg cttggacacg cctaagcaaa tcagccttct ttttgttggt 120
ttttctgtgt agctgcatca gcaattggaa aatcaatttt gaaggctcatc tttatggatt 180
ggtgtgaagt ctaccagagt tttaaaaagc atactgatta ctttgcaaat agtactgtga 240
aatttttaatt tttttttcag ttcagctcaa cttagtgttt tgtaattttt aaataaattc 300
tgcagataag cacatccatg gaggacttct gcctcatctc ccacttgctg cgtatgtgta 360
agagcaccac catttcaaga gtgataggca ctcttgatgt gctagatgag tccctgttgg 420
cattgtcttg attcatatct tcttggagca ggtttttgtt tttgttttta aagacatctg 480
ccactgcttc ctctgtgtta gagccagtct tcaggacttt catggctctg atcaaagacc 540
acagtctgct tggctgattt cataccctgg accaagaggc tgagtagaca ggacctgtgg 600
ctctgttgct ttcttggtta gctgtgcggc tgtactcact gtatccctgt cttacactca 660
cccgtggaag atagcagctt cttgcctatg gactgacttc 700

```

<210> 2051

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 2051
gagccagtct tcaggacttt catgggtcctg atcaaagacc acagtctgct tggctgattt 60
cataccctgg accaagaggg tgagtagaca ggacctgtgg ctctgttgct ttcctggcta 120
gctgtgcggc tgtactcact gtatccctgt cttacactca cccgtggaag atagcagctt 180
cttgccctatg gactgacttc tctgctacaa ttcagccttt atcttgtctg gcctctcatt 240
gtgtttagag tcaattgtct gggggccgaa tgccagacct cttggtagag gggctcttat 300
agttaaggat cttctggaaa ttcagaccac agctgccaaag tggttgagat gccatttttg 360
tttgatttct tctcctagga actgtctcga catttccttt gccagtcagt ggtattgaag 420
gctttgatcc ttcatgggtc ggggaacagg aacctgggtt tcagcatgta tccctaagtg 480
cttactccat atgaaatgct tgtggtatga tacatgccta ggcaccagca acagccctca 540
caccaggtcc tttaggaaat gctgcaggcc tctggaaagg agctggttct tctatctgtt 600
gacattcttt cagctgtagc tcacatgttt gctgtagatc atttgaagga aaaaggtaat 660
tgaggctttc tgggtgaattg gatgagggct tatctgatag 700

```

<210> 2052

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

```

<400> 2052
tgtggtatga tacatgccta ggcaccagca acagccctca caccaggtcc tttaggaaat 60
gctgcaggcc tctggaaagg agctggttct tctatctgtt gacattcttt cagctgtagc 120
tcacatgttt gctgtagatc atttgaagga aaaaggtaat tgaggctttc tgggtgaattg 180
gatgagggct tatctgatag agaggaagag atgctacacc tctaggattc taaagattga 240
agactttggc tgcatgatgt ctacgcctca ccagaaaagt gatttctgac ctttttaatt 300
ttgcctttac tctgtcctta gcattgtaaa taccacntc tttcaaataa ctgaccctac 360
tcttacaata gtaagtctaa agatttaagt gaatacctcc tcacatgaat cggctctgac 420
gtacagtttc ttgttattaa aggcgtgagc ctggggactt gagtatgcct ggatagggaa 480
tcttactgct gcaaatctag atggtoctat gcattttgta cttatttggg aactgtatta 540
aagaaaagtag gtacggtggc ttcagaacca taatcaaata taattctcca aacctaaaag 600
atgagccagc tctcgcaatg cagcttcttt cactgcctgg gatttgtaaa tttgaagcaat 660
ccatttaaca agtgaagta ttggaaaatg cagtcatact 700

```

<210> 2053

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 2053
atggtcctat gcattttgta cttatttggg aactgtatta aagaaagtag gtacggtggc 60
ttcagaacca taatcaaata taattctcca aacctaaaag atgagccagc tctcgcaatg 120
cagcttcttt cactgcctgg gatttgtaaa tttaagcaat ccatttaaca agtggaagta 180
ttggaaaatg cagtcatact ttgcagctcc agcaacaagc actaattgaa ttttcctgag 240
tgtacctgca cagcagtcac agttgtgttt aaaattttct tccatgccag gtgtcgtggc 300
ttacatctgt aactcagtag ttggggagac caaggcagga ggattgctcg aagccaggag 360
tttgagacca gtctgggcaa catagtgaag ctctgtctct accccactc ccccaaaaa 420
aaaggagaga gaaaaaaatt ttcttcaagc tcttgactac aaaaagagat atgctttctc 480
agctgtctcg gcacttctct ccttagatgc atctccagcc ttagggccac ctgctgaacc 540
aggcttcctt gtgctgttga caggatttcc aggtattttt ggtacaggaa tcttaaaggc 600
tgaagcaatg gatgacaaca tgttttcatc catgctttgt attaaaattt ttatttttgt 660
agacatggaa aatgatactg ccaacatttt gtgctctaata 700

```

<210> 2054

<211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(700)
 <223> n = A,T,C or G

```
<400> 2054
ccttagatgc atctccagcc ttagggccac ctgctgaacc aggccttcctt gtgctgttga 60
caggatttcc aggtattttt ggtacaggaa tcttaaaggc tgaagcaatg gatgacaaca 120
tgttttcatc catgctttgt attaaaattt ttatttttgt agacatggaa aatgatactg 180
ccaacatttt gtgctcctaa aagaggattt catctcttat aaagtccact gtccctttct 240
ttcttgcaat tctttttttg tgtgtatgtg aaacagggtc tcactctgtt gcccaggctn 300
gagtgcagtg gcacagtcac agctcagtgc aaccttgaac tcctgtgctc aagcaatcct 360
nctgcctca gcttcctgag tagctgggac tacagggtgca cgccactgtg cccagctaata 420
tttttcatta gtagagacag atgggggtctt gctatgttgc ccaggctggg ctcaaacttc 480
tgagctcaag cagtcctctc acttcagcct cccaaagtgc tgggattaca ggcgtgagcc 540
aacacgcctg gcttctgtcc cactgtttta taggtctctg ttattgctag tttttagtaga 600
tctctcacct gactgttggg attgcagaaa aggatataca aaaaatacca actttctgag 660
aacttatggc ctagccccag aggtttttat gttttcagtg 700
```

<210> 2055
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 2055
acttcagcct cccaaagtgc tgggattaca ggcgtgagcc aacacgcctg gcttctgtcc 60
cactgtttta taggtctctg ttattgctag tttttagtaga tctctcacct gactgttggg 120
attgcagaaa aggatataca aaaaatacca actttctgag aacttatggc ctagccccag 180
agggttttat gttttcagtg agacacaata gccaaactgtt cccagatgga cattgggtgg 240
gctacttgat ccatcagctt ccatgtcaga ttctgtgctt catctttaac cttgtctctc 300
attctgtcta ctgacgtga gacaataatt gtgatttagg acttccatt gtgctgataa 360
gctgtccaca aaggcattta caatttctaa tccaatttat gacacctggg agttgctcag 420
atgttacttc aggtccaggg tcacactggg gttgctgatg tagcacggtg attcttgact 480
gcttggcagc tggccaccca tggtgtgctg ttctactcca tgcagtagac cactgtggga 540
gtctgcccc ctcagtctca ccaggaatag cagagggtgg aggaacagtg ccagggtgctg 600
agtacctcca aaactagttt aaaaaagaaa atcctcgtct taaatttggt actcactttc 660
ctctggatta ctttcttaat atgtcccaaa caaactgggt 700
```

<210> 2056
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 2056
tggtgtgctg ttctactcca tgcagtagac cactgtggga gtctgcccc ctcagtctca 60
ccaggaatag cagagggtgg aggaacagtg ccagggtgctg agtacctcca aaactagttt 120
aaaaaagaaa atcctcgtct taaatttggt actcactttc ctctggatta ctttcttaat 180
atgtcccaaa caaactgggt ccaggccagg gccgcctca agcagtgttc ctttctgctg 240
tgtctgagtg tccatgaagg gctgggtgctt ttctctcagt atcatatgca gttcacccat 300
cttgttttgt ttgggaaacc acatttctgc cgcagcctta ctcttgga gaactgtaga 360
cttgtttctg atgttctctc tgctgtgct gccaggccat gggtgtcttc caccttagag 420
aggctgctct tgggagttct gggtgttttc aggcctggga agatgggtat cctagagtga 480
ttggctgcta cagagctgtt catgctgctt acaaggctca atgctgttat ttccacagg 540
ttgcaaatta tggagtggga ggacagtatg aaccgcactt cgacttctct agggtaaggc 600
ctaaatcaca ggtgctttca aagggcctct ctctagctga tttgagaagg gtggagcttc 660
taggagcatt tcagcctcca catcagtacc cccaccctt 700
```

<210> 2057
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2057
 catgctgctt acaaggtcta atgctgttat ttcccacagg ttgcaaatta tggagtggga 60
 ggacagtatg aaccgcactt cgacttctct agggtaaggc ctaaatacaca ggtgctttca 120
 aagggccctg ctctagctga tttgagaagg gtggagcttc taggagcatt tcagcctcca 180
 catcagtacc cccacccctt gtccctccctc caccctctga tcaccagggg aaactcttctg 240
 ttactgggtga atcccaaatac tggaaccaag ggtcctgcag aatgcagtgg agcctggctg 300
 tctccctgt agatgtgggg cgttcgtccc ctgccctaatt tctgtcacc tttgcccctga 360
 ttctaaagca aagagcctca ctagggtcttt gtgaaaactg ttcttgtccc ttttctctct 420
 ccccgctctac tccatgccct agccagaatt tactttgcag ctttggcaca tattccaggc 480
 tgatttatgg aacacacact tattactttt ccctgaccct tttgggtccta gtcttgtggg 540
 tgggtggatga agcctgttgt aaacttgggt gaaagtgtgt gtctgttgca gcgacctttt 600
 gacagcggcc tcaaaacaga ggggaatagg ttagcgacgt ttcttaacta cgtaagtact 660
 ggggccaggc ccacctgttc attctcactt aattttgtag 700

<210> 2058
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2058
 tattactttt ccctgaccct tttgggtccta gtcttgtggg tgggtggatga agcctgttgt 60
 aaacttgggt gaaagtgtgt gtctgttgca gcgacctttt gacagcggcc tcaaaacaga 120
 ggggaatagg ttagcgacgt ttcttaacta cgtaagtact ggggccaggc ccacctgttc 180
 attctcactt aattttgtag aatgatgagc gagatacttt caagcattta gggacgggga 240
 atcgtgtggc tactttctta aactacgtga gtatgatgtg tgctgatgag ccctaagggg 300
 accctgggtc cagagggtct ccttatatcc ccccccatc agggctgatc tcatctgctg 360
 ttaagtaatg gtcaggctct tctggctctc agcacccttc ttggctgcag tagggagagt 420
 tggcctctgt ttctattcat tttcccaact gccaccagca ggactttaac attcctggct 480
 cctatttttt tccccagtggt ttaaaattgt gataaaacag acataacata aaacttacca 540
 tcttaaccat tttttaaatg tacggttcag tgggtattaaa tacattcata gtgcgcaagc 600
 atcaccacca ttcatttcca tctattttca tcatctaaaa ctgaaactct acccattaag 660
 caataattcc agattcccct cctgcagctc ctggcagcca 700

<210> 2059
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (700)
 <223> n = A,T,C or G

<400> 2059
 ttaaaattgt gataaaacag acataacata aaacttacca tcttaaccat tttttaaatg 60
 tacggttcag tgggtattaaa tacattcata gtgcgcaagc atcaccacca ttcatttcca 120
 tctattttca tcatctaaaa ctgaaactct acccattaag caataattcc agattcccct 180
 cctgcagctc ctggcagcca ccattctgct ttctgtcgt ntgattttgg ttacttaaat 240
 aaatggaatc aaagtattaa cacttgtctt tttgtgtggc tgggtgcataa tgtcctcaag 300
 gtttatccat gttgtagcat attctggctt cttctctctc tttttttttt tttttttttt 360
 tttggagatg gagtcttctt ctgtcaccga gactggagtg cagtgggtggg atctcggctc 420
 actgcaacct cagcctccca ggttcgagtg attctcatac ctgagccttc caagcagctg 480
 ggattatagg cgctagccac aacgcctggc taatttttgt attttttagta gagatagggg 540
 ttcaccatgt tggccaggct ggtctcaaac tcccgacctc aggtgatccg cccccctcgg 600

561/663

```
cctcccaaag tgctgggatt acaggcgtga gccactgcgc cctgccattc tggttccctt 660
ttgatggggc cagtgtctagt ctggactttt gggatgggtg 700
```

<210> 2060
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```
<400> 2060
aacgcctggc taatttttgt attttttagta gagatagggt ttcaccatgt tggccaggct 60
gggtctcaaac tcccgacctc aggtgatccg cccccctcgg cctcccaaag tgctgggatt 120
acaggcgtga gccactgcgc cctgccattc tggttccctt ttgatggggc cagtgtctagt 180
ctggactttt gggatgggtg ccctggaggg ttccctcctt ggcatacagag tgaggagata 240
gccttagctc tctctagatg agagctgcct ttgtgttctc caaggcttaa tggcctgatt 300
cccacctctt gcctctgttt tatccatagg ttgtagggtt tatctttcac atgaggagca 360
gtttctctct cctctgtctg agagccagct ctaaagaggc atagaggcag taaagtaact 420
tggagacaga agcctgtgtc cattttttcc ctttatgctt ttattgtgtg gttattacat 480
gctggggatt gtgctgtgta catgctgggt agcagaacat atgtggtctc ncttgtgctt 540
gaggtccaat atgagagact tattttaaac atcagagaga ttcttcttta tctttttttt 600
tttttttttt tgagacagac tctccctctg ttgcccaggc tggagtgcag tggcgctatc 660
tcagcttact gcaaaactctg cctcccaggt tcaagcgatt 700
```

<210> 2061
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```
<400> 2061
catgctgggt agcagaacat atgtggtctc ncttgtgctt gaggtccaat atgagagact 60
tattttaaac atcagagaga ttcttcttta tctttttttt tttttttttt tgagacagac 120
tctccctctg ttgcccaggc tggagtgcag tggcgctatc tcagcttact gcaaaactctg 180
cctcccaggt tcaagcgatt ctctgcctc agcctcccaa gtactctgga ttataggcgt 240
gcaccacat gcccagctaa tttttgtatt tttagtagag atgaggtttc accatcttgg 300
ccagactggt ctcaagctcc tgacctcaag tgatccacc gccttggcct cccaaagtgc 360
tggcattaca ggcgtgagcc accatgcccc gcctaaacat cagagagatt attatgtagt 420
tatggagaca ggtgctgtga accccaggct tggggttcag tggaggcctc tctttggaag 480
taacatatca gttgagactt aaaagttgag tggaaattag ctggtagaac atgggtttctg 540
gcagaagaga gagtgtatgt agtcctgtaa gagaaaagga acttgggatg ttggaaagggt 600
agaaaaaggc tgggtgtgtc ggagagaggc tagtgagact gacagggcct tggggttcta 660
gaaaagaatc tgagtttgat ccacagggt gtgagaagcc 700
```

<210> 2062
<211> 700
<212> DNA
<213> Homo sapiens

```
<400> 2062
aaaagttgag tggaaattag ctggtagaac atgggttctg gcagaagaga gagtgtatgt 60
agtcctgtaa gagaaaagga acttgggatg ttggaaagggt agaaaaaggc tgggtgtgtc 120
```

```

ggagagagggc tagtgagact gacagggcct tggggtttcta gaaaagaatc tgagtttgat 180
ccacaggggt gtgagaagcc atcagagctt ttgtcttatt catttaccat atgtctgtca 240
agtacccttc agtgagtctg gtatgtgtcc tgtggaaata ttttttacct ccaattttta 300
ttaaattatg gacaaaaaaa gtaagagagc cagatgggaa agaagtagtg ctttggccat 360
gagtcaaggc atgctctgtg ggcattgagta cagccttgct agtgtggaac ttgtgttcaa 420
tgtagtttaa ggccttacca taggagaaag cagggcctct agagacacag tgccccaccc 480
ttccactcag ttggccccag gaaggggtggc tactctggga aggtgaaggt ctgactagag 540
cagcaaacta ctagagccag agaaacagag ctgcagtggg gactgcacat ggtgttggaa 600
acagtacaga gctcctggtc agggcacttt gcagagtaca gtggcttagg caaggccaag 660
gctagatggg gattcaaagg gtggggctcag aacaggcatt 700

```

<210> 2063

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2063

```

gaaggggtggc tactctggga aggtgaaggt ctgactagag cagcaaacta ctagagccag 60
agaaacagag ctgcagtggg gactgcacat ggtgttggaa acagtacaga gctcctggtc 120
agggcacttt gcagagtaca gtggcttagg caaggccaag gctagatggg gattcaaagg 180
gtgggggtcag aacaggcatt ttctgagtag agactcagat tattttcatc cagggacagc 240
ccggatgtgg gtctcctgtg ggcctcaact cttgaacact catgacatgg agactgttct 300
aatgaatcac actgggttaag taggcatggg aagagccttt cttggctaaa gggctggcca 360
tgagagcagac accaagtagt gtcactcatg ctgagaggag ggcaatctat ataccttgct 420
atgtcctttg tggctcaatt gctctgagag ccttgggtag gagggccaag ctctatgtct 480
tatattttcca gatgagtgat gtagaagctg gtgggtgccac cgtcttccct gatctggggg 540
ctgcaatttg gcctaagaag gtaagttctg attctgtgg gtcagaggtt gaagcaaggc 600
tcagacttta ctttgtccat gtccccagt accattacct ggctgcctg attgtcactg 660
tgatgtgcct tagcccacct ggggtctgac ctggtagccc 700

```

<210> 2064

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2064

```

gtagaagctg gtgggtgccac cgtcttccct gatctggggg ctgcaatttg gcctaagaag 60
gtaagttctg attcttgtgg gtcagaggtt gaagcaaggc tcagacttta ctttgtccat 120
gtccccagt accattacct ggctgcctg attgtcactg tgatgtgcct tagcccacct 180
ggggtctgac ctggtagccc agcttctccc tgtgaagaaa ggacagggag ggaagtccct 240
tcaggggtgg gtgagttccc agacttctac ctcagaaaagg taggtgcttt ctgggaaatg 300
tctctgttgc tggagtccca gagccctatc ccctgtccat gggaaaatga ggggtgttct 360
gctcagggca gagcttctgt gatgcttgca gtcaggctcc tgagcacagt ctcttaagaa 420
tgtgttctga aaggccatct ctttcccagg gtacagctgt gttctggtac aacctcttgc 480
ggagcgggga aggtgactac cgaacaagac atgctgcctg ccctgtgctt gtgggctgca 540
agtggggtga gtgtcttaag gggtagtggt ggtgttgggt gcctcagctt gggctttgct 600
tattggcctt agattctgag ctgggaggca actgctgcca aatttgctga gactgtctcc 660
cttcttaggt ttttttctgc tgttattacc atccagccat 700

```

<210> 2065

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2065

```

cgaacaagac atgctgcctg ccctgtgctt gtgggctgca agtggggtga gtgtcttaag 60
gggtagtggt ggtgttgggt gcctcagctt gggctttgct tattggcctt agattctgag 120
ctgggaggca actgctgcca aatttgctga gactgtctcc cttcttaggt ttttttctgc 180
tgttattacc atccagccat gtaatgtcca tgcagctggg aaatgccaaag gcagctgggt 240

```

```

ggaaacactc agagatacac aggaagctga agaaggcctg aggacgaata gctgcataag 300
caccataggt ccaggaccct ctggcaaggc ttctgagggg gcagagtgga gagctggaag 360
cagtgagggg aaagagtgtc tcaggcaaac aaggcccata tggatggagg cacaggctaa 420
aaccagcata cgggtgtggg ggctggctcc cttgtcactt gaagaaaggg aggcctgtgg 480
cacagggggc agaagatgag gctggaggct gggaccaaac tgcagaggct caagcttgag 540
ccttatcctg ggagcagttg tggtagcct cggagaggct caaaccagga tatgacagga 600
agtgtttgta aggagatgag tgtgtagccc ccttggagag ttttgaagat aaatagtgat 660
aggtttgcag ataattaagc aaatggaaaa gaaaacaagg 700

```

<210> 2066

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2066

```

gctggagggt gggaccaaac tgcagaggct caagcttgag ccttatcctg ggagcagttg 60
tggtagcct cggagaggct caaaccagga tatgacagga agtgtttgta aggagatgag 120
tgtgtagccc ccttggagag ttttgaagat aaatagtgat aggtttgcag ataattaagc 180
aaatggaaaa gaaaacaagg cagttgtctg attcagggga aaaaaagttg tacaagaaag 240
gaaatgtaag tataatctac tagatggctc aggtgtaaca catgatataa ttatgtacac 300
actgagtatt actttaacta aaacttatga tttacctgta ctggaaagggt gggagggggat 360
gagtttgtgt tttaggggta gaataaaaga attccaaagt tgaaagtcaa ggaatagaac 420
tataagcatc ttatctagaa aaatgagggt aaatatcaga agaaacagct agaggagttt 480
aatgttccct gggagtggag attagggatg ggaaggagag gcttagggag agtgctatatt 540
atcattataa gccttgcgac aattttatatt ttttcaatga agtacatgtt attactttat 600
attttaaaag ctctgtgact tcagtagtgc attgaaataa aatttttatt cattatgaga 660
gagtctgtga ggaacagaat catggttcct gtgtgtttga 700

```

<210> 2067

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2067

```

attagggatg ggaaggagag gcttagggag agtgctatatt atcattataa gccttgcgac 60
aattttatatt ttttcaatga agtacatgtt attactttat attttaaaag ctctgtgact 120
tcagtagtgc attgaaataa aatttttatt cattatgaga gagtctgtga ggaacagaat 180
catggttcct gtgtgtttga agatatggcg tggggtgata gtgctggcag cagctctgtt 240
gctcttgatg ccatggcata cagactggat ctgctggctc acggctcctg aggttaatgt 300
ccaagccctc tgcaatgctg acagtcttcc tcatcctcac accctacctc tcagtttcta 360
cctgccacct ccagtaata ttaggcctct tgagtcccca acacacgtca ggggtggcttc 420
tgcccttgatt actttctcat cctgttgtca ctccctggag cctcttgggtg agagaacct 480
ctgggtatgc ccattctctt cccaggataa cttctatgta gctttatatt ctagccctag 540
gatttctctt tccctctaag agcaagaaac atgtgtgcag gttgccatgg gaatagagcc 600
aaagggcatc aaagggtcatg ggcattgaaag ggcattgatta gatgcccttg ggtgctattc 660
ccatggcaac ctgcacacat gtatcttgtc ccactggcag 700

```

<210> 2068

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2068

```

cccaggataa cttctatgta gctttatatt ctagccctag gatttctctt tccctctaag 60
agcaagaaac atgtgtgcag gttgccatgg gaatagagcc aaagggcatc aaagggtcatg 120
ggcatgaaag ggcattgatta gatgcccttg ggtgctattc ccatggcaac ctgcacacat 180
gtatcttgtc ccactggcag aatttcatac aattatctgt ttacatgtgt cttccttacc 240
aattcttcag caaattgagg cctgagatca tgtcttgtct tatttgtgtc tgattccagg 300
gcacagtgca gggggtcatc atgaaggagt cattcattca ggctactaaa ctgaccaata 360

```

```

ggattgtaac atgcttgctt tcttttcaca gtctccaata agtgggtcca tgaacgagga 420
caggagttct tgagacctg tggatcaaca gaagttgact gacatccttt tctgtccttc 480
cccttcctgg tccttcagcc catgtcaacg tgacagacac ctttgtatgt tcctttgtat 540
gttcctatca ggctgatttt tggagaaatg aatgtttgtc tggagcagag ggagaccata 600
ctagggcgac tcctgtgtga ctgaagtcct agcccttcca ttcagcctgt gccatccctg 660
gccccaaaggc taggatcaaa gtggctgcag cagagtttagc 700

```

<210> 2069

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2069

```

catgtcaacg tgacagacac ctttgtatgt tcctttgtat gttcctatca ggctgatttt 60
tggagaaatg aatgtttgtc tggagcagag ggagaccata ctagggcgac tcctgtgtga 120
ctgaagtcct agcccttcca ttcagcctgt gccatccctg gccccaaaggc taggatcaaa 180
gtggctgcag cagagtttagc tgtctagcgc ctagcaagggt gcctttgtac ctcagggtgtt 240
ttaggtgtga gatgtttcag tgaaccaaag ttctgatacc ttgtttacat gtttgttttt 300
atggcatttc tatctattgt ggctttacca aaaaataaaa tgtccctacc agaagcctta 360
aagagcctta cttggagtgt ttttaagact ggaagctttt accaggttca tcatttcta 420
tgcatacct tcatgcaggc agagtctgga taatgaatgc tttagcagca aaaaagcatc 480
ttgggtcttg gatttcagac ctggtttcaa cacttgtgtt ccctctaagt gtcagtgtcc 540
ttttctggaa agtagggtaa atagtttctc tttgtctccc agagaacata gcacatgtgt 600
tcatgattgt aatgctgtta taatgtgtac ttcattttta aattttgaga taagaattgt 660
tcatgatata cagatgtata cttaaaaaaa tatgaagggtg 700

```

<210> 2070

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2070

```

ctggtttcaa cacttgtgtt ccctctaagt gtcagtgtcc ttttctggaa agtagggtaa 60
atagtttctc tttgtctccc agagaacata gcacatgtgt tcatgattgt aatgctgtta 120
taatgtgtac ttcattttta aattttgaga taagaattgt tcatgatata cagatgtata 180
cttaaaaaaa tatgaagggtg agcaggagca cctgtgtcaa caccaagtta gaaaagagaa 240
cgttttcaag tcagtacctc aggagccccct tgggaacccc tcctagatca catctccttc 300
actgccccca gcacttttga gataaatcat tgtctcatga tgtgtggtac tcattccttt 360
gcttgtcttt atagttttac catctatgat tagatcccta aataagtagt tattctgttt 420
tcctgatttt tgaactttta ctaatagaat nagagtaaat atttttgggt atgtggcttc 480
ttttgttcaa cattgtttta agattcatcc gtgttgcttg tgtagctgta atttgtttta 540
atctttatag tacattcagt tttgttaatg cttattgtag gactgtacca taatacaggc 600
agcatgctgc tgataaacac tgggaattgat ttcagtcttt gtatattgtg aataatgctg 660
tgataaacat ttttatacat gattcctggt gcacatatata 700

```

<210> 2071

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G


```

<400> 2071
agattcatcc gtgttgcttg tgtagctgta atttgtttta atctttatag tacattcagt 60
tttgtaaatg cttattgtag gactgtacca taatacaggc agcatgctgc tgataaacac 120
tggaattgat ttcagtcctt gtatattgtg aataatgctg tgataaacat tttatacat 180
gattcctggg gcacatataa acacatattt ctgtaggata tatatctagg agtggaaatg 240
tggaagtctta atgggtgttc aactttacta aataatgtat tccaagggtg ttatacacat 300
tctcaccagg agtaaatgag agttattacc ccaatctttt ccantattta gtattttcat 360
acttttgaat tttagctagc ttggtacatg ttacggacta aatgtttgtg tccccccacc 420
agattcatat gttgaaatct tttttttttt tttttttttt gngacggagt ctcgctctgt 480
cgcccaggct ggagtgacgt ggcgngatct cggctcactg caagctccgc ctcccggntt 540
cacgccattc tcctgcctca gcctcccaag tagctgggac tacaggcgcc cgccactacg 600
cccggctaata tttttgtatt tttagtagag acgggggttc accgttttag ccnggatggg 660
ctcgatctcc tgacctcgtg atccgcccgc ctcggcctcc 700

```

```

<210> 2072
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2072
ggcgngatct cggctcactg caagctccgc ctcccggntt cacgccattc tcctgcctca 60
gcctcccaag tagctgggac tacaggcgcc cgccactacg cccggctaata tttttgtatt 120
tttagtagag acgggggttc accgttttag ccnggatggg ctcgatctcc tgacctcgtg 180
atccgcccgc ctcggcctcc caaagtgctg ggattacagg cgtgagccac cgcgcccgcc 240
ccatatgttg aaatcttaac cccaatgtg atgatattag gatgaggagc ccttgggagg 300
tcgtaagcat ggagcccacg tgagtgggat tagtgccctt atgaagagat cccagccctc 360
tttctgccat gcgaacacac agcaagaaga tgctgtctta tgaaccaggg ggcccttacc 420
agaaacaanc ctactagcat cttgatctcg gactttccag ttcccataac catgagaaat 480
aaatgttttt aattcaatgt atggtatttt attatagcag ctctacctaa gacagtacat 540
gtatagtgtc tatttgaaca ttactgataa tgttgaacaa cttttcatgt ttattagtta 600
ttaggtttct tcaagtgttc ttattcatat aaattttaaa atatgtacac aagttctttg 660
ttatatattt tgcaaatatc ttctgtggct tgtcttttca 700

```

```

<210> 2073
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2073
atggtatttt attatagcag ctctacctaa gacagtacat gtatagtgtc tatttgaaca 60
ttactgataa tgttgaacaa cttttcatgt ttattagtta ttaggtttct tcaagtgttc 120
ttattcatat aaattttaaa atatgtacac aagttctttg ttatatattt tgcaaatatc 180
ttctgtggct tgtcttttca ctattttagt tctgtctttt gataaacagg agcttttaaa 240
ttttatgtca aatctatcaa gctttttctt tttgatttat gttttttatg tcttatttga 300
gaaatccttc tataccccaat gatcatgagg atgtttcctg tgttctcttc tgaaagctat 360
atagtctttg tcattttaggt ttatctttat acgtgggatg aagtgtaaaag ttctactttt 420
aattttttgc atattttatt aggataggat gggctttttc tgtagtaata atccntaaat 480
ctcaggggct taatatataa aattgtctca tgcaaaaaac cactgggtct agggcaattg 540
ctatctactg ccgtctaata tccctctagt ggcttccatt ggtagaccct aacaggaagc 600

```

566/663

cagctgataa ggggaatctgg gaaatgtagt ttacagagtg gcagctacag tagaacagta 660
gagactacaa ggatgagctt gcagctgaga atagaaacgt 700

<210> 2074
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 2074
aattgtctca tgcaaaaaac cactgggtct agggcaattg ctatctactg ccgtctaate 60
tccctctagt ggcttccatt ggtagaccct aacaggaagc cagctgataa ggggaatctgg 120
gaaatgtagt ttacagagtg gcagctacag tagaacagta gagactacaa ggatgagctt 180
gcagctgaga atagaaacgt gactggcaca ctaggtgggt tgtttgtagg ttttttcttt 240
tcctgtttga gacttttttg gattcttgaa ttgtacaat gntntcctta atcaattgtg 300
gaaaattaaa tgattttttc tttcagcatt gtctgtttct tctgtaactg attaaatgta 360
agttggatca tatcatgata ttatctctta atctgtcttt catattttta tatatatgct 420
atatttgggg agaactttat agctgttttg taaaaagttc actaattctg tcttctatca 480
agtgcataca ggagtctgtt taaggacttt aaagatgtaa ttctttgttt tctggcttat 540
accatttctg ttgaaaagtc gctatctggg cctttgttgt tcctttgaag gtgattttgc 600
cttcacctgg ctgctttaaa gatttttttc tttttgggtt tcagtagttt tactatgggtg 660
tacttagtat gggtttcttt ttcttttctt gcttggcatt 700

<210> 2075
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

<400> 2075
taaggacttt aaagatgtaa ttctttgttt tctggcttat accatttctg ttgaaaagtc 60
gctatctggg cctttgttgt tcctttgaag gtgattttgc cttcacctgg ctgctttaaa 120
gatttttttc tttttgggtt tcagtagttt tactatgggt tacttagtat gggtttcttt 180
ttcttttctt gcttggcatt tagcttcttg aatttctggg ttgatgtctg atcaattttg 240
gaaatttctc agacattata tcttcaacta ttgtttctgt cccatttttt ctctatctgc 300
tctgagactt cagtaatctg aatgttagaa cttttcatag tgctctatat atctccagtt 360
cttgtgtctc tcatgctttt ttctttgtgt ttcagactag atattttata ctgatctgtc 420
ttgcaattca tttattactt ttgctgctaa acccatctac tgagttctta atttcatttt 480
tcttatattt ctcagttcta aaatatccat tcatgtcttt tttttttttt ttttnccttg 540
agacggagtc tttctctgtc acccaggctc gagtgcagtg gcgggatctc agctcactgc 600
accctctgtc tcccagatta aagcaatttt cccacctcag cctcccaagt agttgggatt 660
agaggcacgc accaccacac ccagctaatt tttgtatttt 700

<210> 2076
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)

<223> n = A,T,C or G

<400> 2076

```

aaatatccat tcatgtcttt tttttttttt ttttnccttg agacggagtc tttctctgtc 60
acccaggctc gagtgcagtg gcgggatctc agctcactgc accctctgtc tcccagatta 120
aagcaatttt cccacctcag cctcccaagt agttgggatt agaggcacgc accaccacac 180
ccagctaatt tttgtatttt tagtagagat ggggttttgt catgttggcc aggctggtcg 240
caaaactcctg acctcaagt atccacctgc ctccagcctcc caaaatgttg ggattacagg 300
cgtgagccac cacggttggc ccattcatgt ccttttaatg gattttaact ctctggagaa 360
tctgtcttct gttttctctg tgtttttctc ggactgataa atcagttatg tgaatttttt 420
tgtccgataa cgccatgatt tgcattttct atggctctct ttctattgtc tttttccctc 480
cttagtttct ggtcatttgg tccactctgt tgatatgcct ggcaattttt gattgaatgt 540
gtatgacaaa ttgtagagcc tctggatgga taacctcctg caciaaagggc tcaccctttc 600
ctctactatg cagagtgggg atcaatcacc ttaatccagt aaggatctga gctgacttaa 660
aattaagact gggtggtagt tttcttaaga ctctatctct 700

```

<210> 2077

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2077

```

tccactctgt tgatatgcct ggcaattttt gattgaatgt gtatgacaaa ttgtagagcc 60
tctggatgga taacctcctg caciaaagggc tcaccctttc ctctactatg cagagtgggg 120
atcaatcacc ttaatccagt aaggatctga gctgacttaa aattaagact gggtggtagt 180
tttcttaaga ctctatctct ggtttaccct tatttcccc cttataggat gtagtcctcc 240
aggattttct aattgagagc ctagtgtgtt cactggatct gtttccactg gcagttcctc 300
aactctaatt cttgtcttct cagtaccaga ctccagccaa aaaatttatc ctctttttca 360
aagaatttga atttttgaat ctaagcagat attttttgc tacccttctta gccttgcaat 420
ctgcacagcg tcagaattca gaaaatgcct cagtgggtaa acaggctgag tggccaagtt 480
ctccactcct cctcttatt caatattctg agaaactact ggctaatttt ggtttttcaa 540
tgccccctga cactgtcaan nnnnnnnnnn nnnnnnnnnn nnnntnnnan nttnncattg 600
ctctggatcc tcattcttac cccatggcta caatcagtaa ataataata taataataat 660
nattattatt attattatna ttattattat tttgaggtgg 700

```

<210> 2078

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2078

```

caatattctg agaaactact ggctaatttt ggtttttcaa tgccccctga cactgtcaan 60
nnnnnnnnnn nnnnnnnnnn nnnntnnnan nttnncattg ctctggatcc tcattcttac 120
cccatggcta caatcagtaa ataataata taataataat nattattatt attattatna 180
ttattattat tttgaggtgg agtctggctc tgtcaccag gttggagtac agtgggtgcaa 240
tctcggtcca ctgcaagctc cgctcccg gttcacgcca ttctcctgcc tcagcctccc 300
gagtagccgg gactacaggt gccaccacc acgcccggct aattttttgt attttttagt 360
agagatgggg gttcactgtg ttaggatgg ctcaatctcc tgacctctg atctgtccgc 420
ctcggcctcc caaagtgtg ggattatagg catgagccac cacgcccggc cagtaaattg 480

```

```

tttaaggata aaagagacta cagacttttg gctcaccac aagatttatc cttcttcagg 540
atcttgatgc tcaaactcct tttgcttcag caattgactg atgtcttcca acaattttta 600
gagattttat tcagctttat tctaggaatg aaaattgggc taccataagc tactctatct 660
tggaagtaga agtggcctat tcatttttta aaaaatcatt 700

```

```

<210> 2079
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2079
cagacttttg gctcaccac aagatttatc cttcttcagg atcttgatgc tcaaactcct 60
tttgcttcag caattgactg atgtcttcca acaattttta gagattttat tcagctttat 120
tctaggaatg aaaattgggc taccataagc tactctatct tggaagtaga agtggcctat 180
tcatttttta aaaaatcatt tttcctatac tgatacagaa aaccttatct ttcataatct 240
cttttggtac ctagtataac aagacgcttc acactcatct tgagcatttc tgacattaag 300
catggaatca gccgttaaag aatcttatta tatgttgatg tctgcctatc aatcccagca 360
tggtcctggg aacaagcatg agataacttc tgtcttagag ccagggcact gctttcagca 420
atccttatta attgagcttg gcattaatat gtacactagg gcagtaaaga gttattgagc 480
gtttcattat gcatttggtg ctgtgctagg gatgttacag tctattactg cattcagcaa 540
ctcttcagaa cgaatacata agaagcagaa cgtcagaaag gttaggtaat atacctgagg 600
tcacatgaag tctcattgct ggtaagtggg ggacctggga atgaaactnt ggcagcttcc 660
aaaagccttt gctctaaaac aaaattttata ttttcatgca 700

```

```

<210> 2080
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2080
ctgtgctagg gatgttacag tctattactg cattcagcaa ctcttcagaa cgaatacata 60
agaagcagaa cgtcagaaag gttaggtaat atacctgagg tcacatgaag tctcattgct 120
ggtaagtggg ggacctggga atgaaactnt ggcagcttcc aaaagccttt gctctaaaac 180
aaaatttata ttttcattga ttttaacagtt attaaagatt tgatggggaa acataaaagac 240
tgtctttatc ttttaagaat tctgagcaat ggaagggact cataaatagg tgtgtgaaat 300
gtgagaagtc tggtaacaga gaatgtgctt gaggagcaca gtagagtga ggtctacttt 360
aaccaagaag ttggcactac agtaggcacc gttggagctg ggtcttgaag tatgagcagg 420
aatttgttta ctgtgctatc ctagttttaa atacatgcac gtggctttaa aaataaggga 480
caaaggaaat taccctaaat agttgctgtc ccaccttact gccaaactcct agtccccctt 540
cctagaggaa ccttttcaaa ttatttttaa tttttctgcc tattaaatgc ttataaaatg 600
ctgttccttg atttttccac ttcagaaatt tgagagatga tcatttagtt tatattcact 660
atctcccatg gtacctcccc ctgcctttgc cattttttga 700

```

```

<210> 2081
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2081

```

```

agttgctgtc ccaccttact gccaaactcct agtccccctt cctagaggaa ccttttcaaa 60
ttattttaaa tttttctgcc tattaaatgc ttataaaatg ctgttccttg atttttccac 120
ttcagaaatt tgagagatga tcatttagtt tatattcact atctcccatg gtacctcccc 180
ctgcctttgc cattttttga tagttatatt ttgtatagtc ctctcttggt tgcctggcaa 240
cataaatttt tttgtttggt taaaactaag atgggtgagat gaagatctaa actagaattt 300
taccaaacia atgatcacta ttgtctagcc aagttgacac atagaattaa gtatcatata 360
cccttttgtc tcccaactgc cggtcagtta tgctttggac attatttttag tagccatagt 420
aagttgcttc taaaagtga aaacacaaat gttatgtttc ttaatttcgt tgaattagtc 480
actataatgt tgatgtagct aatcataaaa aggaatttgt gtcttatttg tctaatagaa 540
ttcaaaatga atttataatg tatataattt gatagggcta caataacaaa ataccacaca 600
ctgggtggat caaacaaaag gaatttgttt tcttactggt ccagaggcta gaagtctagg 660
atcaagggtg caacagggtg tgtttcttct gaggcctcac 700

```

<210> 2082

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2082

```

aatcataaaa aggaatttgt gtcttatttg tctaatagaa ttcaaaatga atttataatg 60
tatataattt gatagggcta caataacaaa ataccacaca ctgggtggat caaacaaaag 120
gaatttgttt tcttactggt ccagaggcta gaagtctagg atcaagggtg caacagggtg 180
tggttcttct gaggcctcac tgcctggctt ggtctgtgtg ttgtctatgt cacctcttgg 240
tctatgtgtt gtctatgtca tatcggatta aagcctgcac atatgaactc attttacttt 300
aattatgtct ttaatgccct gttgccaaat acagtcacat attgggttag gacttttagca 360
tatgaatttt gggagaacac ataaaactac taggaaatca tgtagatct gatatactat 420
tgagactaaa gcaaaatact tttccttact ctttgtacat cagatatagc ccatcatgaa 480
caaatgtatc tgattattaa gtatgtttgc ataagaataa tgtcataaca ctagaagttt 540
tttattttga gaaaagagat ataggctctt atgaaattat taataaattg aaaaaagata 600
ttgacataaaa atatctttga ggccatggat ataattggac aaatacagca ggtgtgtata 660
taagggtgga aaagccatta ttttcccca aaatggttat 700

```

<210> 2083

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2083

```

gtatgtttgc ataagaataa tgtcataaca ctagaagttt tttattttga gaaaagagat 60
ataggctctt atgaaattat taataaattg aaaaaagata ttgacataaa atatctttga 120
ggccatggat ataattggac aaatacagca ggtgtgtata taagggtgga aaagccatta 180
ttttcccca aaatggttat gccaaataag ttcataatct gtgcaaaaat gctgcttcta 240
tgaattaaaa tataaccttt ttagtgtgta caaatgatac ataacttttt atgaattcat 300
tgagcagtgg aatgttatgc ttgttctaaa aactacatta aaaacaaatc ctgagaggca 360
tcaaagtcaa atatgatcaa ggtactttac acaaagatgt ttgtcaaata ttaaaagaac 420
ataaaatgac aaaatacaat atcctgaaat aggaaccatc tttgtgtgaa cagattacaa 480
atthttcatgt aacttgtcta tgtggcatgg cattttgaac taaatatagt agaaaaaggt 540
ttatgaaaaa aaagactata tacaaagctg catgcttaag aaaaggccta ttcgtttgct 600
tataacaaat gagngnaagt aacttaangt tatgtttcgt taatgtaana ctttaaangn 660
gntataantn tacttnangn naaatcagaa atatacaaat 700

```

<210> 2084

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2084

```
tgtggcatgg cattttgaac taaatatagt agaaaaagggt ttatgaaaaa aaagactata 60
tacaaagctg catgcttaag aaaaggccta ttcgtttgct tataacaaat gagnngnaagt 120
aacttaangt tatgtttcgt taatgtaana ctttaaangn gntataantn tacttnangn 180
naaatcagaa atatacaaat tactgaatga gtatatcaat tattgtggga aaagtgttcg 240
tcgaatagaa attaaagaga ttacagatgt cctagagatg gagatatgaa aaatcaaatg 300
aagtattttt gtatttttac ttggagaaat tttctacgaa tacatctgat taacaaaaag 360
cagccatggc cttgacttac ctcttaaata gtccaatgat ttatatcctg tggcaatttc 420
atctgaaata gtggtaaata gcatgcaata tcaatagttt gcatgaacaa atgtgaccct 480
gaaagagcca gtccttcaag atggatctta agtggctgag tgggcctaaa tttaaagcag 540
agccaagaag ccatttggtg actagaggcc acacacctat tttgagttcc ctgaaaaccc 600
acacctcttt aactttggaa ctttcagagc tcacctgaac cagccaatca gagcccacct 660
cccttgctgc tcagttgtat caaccaatca gaactgtgtt 700
```

<210> 2085

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2085

```
atggatctta agtggctgag tgggcctaaa tttaaagcag agccaagaag ccatttggtg 60
actagaggcc acacacctat tttgagttcc ctgaaaaccc acacctcttt aactttggaa 120
ctttcagagc tcacctgaac cagccaatca gagcccacct cccttgctgc tcagttgtat 180
caaccaatca gaactgtgtt tccatctcat ttgtatcagt gcacctgatt gggaaccagg 240
gcaggaactt ttgctataaa gctagaaccc ttcccttggt ctttggaccg caccttcctt 300
ttacattgaa ggctgtgttg gactccctag tttgcaaact attcactgga ataaagtctc 360
tttcttccag ggaacttttg ttacatattg taatataaaa tcatgatgtt tgtatcctct 420
aaaacggatt tgcaaatttt tcttcgggca gccttaccca aatttcaaaa tggctcctgat 480
aattttttta aaacaataacc agtcacagtg tgatatagtt tggatctgtg tccccaccaa 540
atctcatgtc aaattgtaat cttcagtggt ggcatgggc ctggtagtcg gtgattagat 600
catataatgg aggcggctct tcatgaatgg tttagcacca ttcccttggt gctgttctct 660
tgatagttag ttattgtgag atccggttgt ttaaaagtgt 700
```

<210> 2086

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2086

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agtcacagtg tgatatagtt tggatctgtg tccccaccaa atctcatgtc aaattgtaat 60
cttcagtgtt ggtcatgggc ctggtagtcg gtgattagat catataatgg aggcggctct 120
tcatgaatgg tttagcacca ttcccttggt gctgttctct tgatagttag ttattgtgag 180
atccggttgt ttaaaagtgt gtatacactt tgggaggctg aggcgggcgg attgctttga 240
gctcaggagt tcaagaccag cctaggcaat atgggtgaaac ctcatcccta caaaaactac 300
aaaaattaac tgggcatagt ggctcactcc tgtagtccca gctactcagg aggctgagg 360
tggagaattg cctgagcccc ggaagtggag gctgcagtga gccaaagactg tgtcactgca 420
caccagcctg ggtgacagag acctgtctca aaaagaaaat gtagcacctc ctctctctct 480
```

571/663

```
ctctctctgt ctctctcact gtctcgttct cttgctcttg ctccttctcc agccatgtaa 540
gatgtgcttg cttccccctt gccttttagc atgattcata gtttcctgag gcctctccag 600
aaatggaagc cactacactt nctgtacagc ctgtagaacc atgagccaat aaacctcttt 660
tctttataaa ttaccattt tcaggtattt ctttatggca 700
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<210> 2087
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

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<400> 2087
gtctcgttct cttgctcttg ctccttctcc agccatgtaa gatgtgcttg cttccccctt 60
gccttttagc atgattcata gtttcctgag gcctctccag aaatggaagc cactacactt 120
nctgtacagc ctgtagaacc atgagccaat aaacctcttt tctttataaa ttaccattt 180
tcaggtattt ctttatggca atgcaagaac agaccaatgc accatggat cctgcaaaat 240
cctgaagtta attaagaatt atttaagagg cgcggtggct cacgcctgta atcccagcac 300
tttgggaggg tgaggtgggn ggatcaggag gtcaggagat tgagaccatc ctgggtaacg 360
cgggtgaaacc ccgtctctac tgaaaataca aaaaattagc cgggcgtagt ggcgggcgcc 420
tgtagtccca gctgcttggg aggctgaggc aggagaatgg cgtgaacccg ggaggtggag 480
cttgcaagtga gccgagattg cgccactgca ctccagcctg ggcgacagag cgagactccg 540
tctaaaaaaaa agaacattat ttaagatcgt cacttaagaa gagtagattt tgacaatttt 600
attgatcagt ttacttccat taaagtcatt ggtataaaat atttaaaactt aatatgagtt 660
ttaatatacc aactttcaat attgtcaacc aatttaattg 700
```

<210> 2088
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```
<400> 2088
cgccactgca ctccagcctg ggcgacagag cgagactccg tctaaaaaaaa agaacattat 60
ttaagatcgt cacttaagaa gagtagattt tgacaatttt attgatcagt ttacttccat 120
taaagtcatt ggtataaaat atttaaaactt aatatgagtt ttaatatacc aactttcaat 180
attgtcaacc aatttaaatgt gtaaaaatta acaaaaacac gaaaacgtac gtaagaagca 240
tacgtttttc attttgcttc aggtttcaat atagtttggc acagcactgc tcttaagttt 300
ccaaacttgg cattttgnc tcaatattag atttgccaga ttcagcaa at gaaaatacaa 360
gtaacacca gtttaacttt agataaataa cacataattt ttgcatagga tatatgcata 420
ctaaaaagtt tggtgcttat ctgaaattta actgggcatt ttgtataata tctggttaatt 480
ctaaaaataa ttatcttaca tggttgaaaa agctgcctgc ttcttagtac aatgtaactg 540
ttgcaccaac accgtcttgc ctggttgatt gctgggtatg tggatgactg aagcgcanac 600
angggagtc atatggnntn tgtgtcacan tgtccagcgt gtaggtatgt ccagtcctta 660
ccaggtntag aagaacacag cagcctcact ccatccgagg 700
```

<210> 2089
<211> 700
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2089
 tgggttgaaaa agctgcctgc ttcttagtac aatgtaactg ttgcaccaac accgtcttgc 60
 ctgttttgatt gctgggttatg tggatgactg aagcgcanac angggaagtc atatggnttn 120
 tgtgtcacan tgtccagcnt gtaggtatgt ccagtcctta ccaggtntag aagaacacag 180
 cagcctcact ccacccgagg gcagaggagc gagcatattc cccantgccca tgaccctctc 240
 cccagctccn tctgnttcag tcacactgac ggccccagta cattcgtgnt tgttggtcct 300
 tctgcctgga aggtaccaat acctagtagt ttntaccctc attcctttca agactgatca 360
 aagattacct tatccaaaag agttcttctt gtttcaactgc tgtgctgctc gggctagtct 420
 ggaattcctg gcctcaagca atcttcccaa gaggttccct ccttccctccc tccctccctc 480
 cctcccttcc tctcctttct ttcgacagtc ttgctttgtt gcccaggctg gaggcagggg 540
 gcgcagtctc ggctcactgc agccactcc aagaggcctt catgactact acgaaggatt 600
 tgcgttctca ttctcttctt ccttagcctg ttttcttctt tttttctttt tctttttctt 660
 tttttttctt tttgagatgg agtcttgctt ttagagccag 700

<210> 2090
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2090
 ttcgacagtc ttgctttgtt gcccaggctg gaggcagggg gcgcagtctc ggctcactgc 60
 agcccaactcc aagaggcctt catgactact acgaaggatt tgcgttctca ttctcttctt 120
 ccttagcctg ttttcttctt ttttcttctt tcttttctt tttttttctt tttgagatgg 180
 agtcttgctt tgtagcccg gctggagtg aatggtgcca tctctgctca ctgcaacctt 240
 cgtccccctg gttcaagcga ttctcctgcc tttagcctccc gagtagcttg gattacaggt 300
 atgcaccacc acgcccagct aatttttgta ttttagtag agacagcgtt ccaccatgtt 360
 ggccaggctg ctttccgac cctgacctca agttatctc ccgctctgc ctcccaaagt 420
 gctgggatta caggcgtgag ctaccacgcc cagccctgtt ttatttttct ttagagcact 480
 tatcactgag gtaaaagggt ggacttgact ccagacgcag gcgtcggaca ccggaccaga 540
 ttgaggactg gctaaaacag ggccagggcc aaagtagctt tcaatcagcc caccaggggtg 600
 ctacgtcggg ttgcagttgc tatgacaaca ccctggcgtt agggcccctt tccatggtaa 660
 tgacccaatg accccaaagt tactactct tctctggaag 700

<210> 2091
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2091
 ggacttgact ccagacgcag gcgtcggaca ccggaccaga ttgaggactg gctaaaacag 60
 ggccagggcc aaagtagctt tcaatcagcc caccagggtg ctacgtcggg ttgcagttgc 120
 tatgacaaca ccctggcgtt agggcccctt tccatggtaa tgacccaatg accccaaagt 180
 tactactcct tctctggaag tgtctgcata aacctcccct taatctacat gtaattaaaa 240
 gtagtaataa acatgactgc aaaactgccc tgagctgcta cccactgtca atggggtagc 300
 cctgctctgc ctcttcaaga aagctgtttt cttctacctc tggcttgccg ttgaattctt 360
 tcctgggcaa agccaagaac tctcgtgggc taagctccac tttggggctc acctgccccca 420
 catcactacc acccggttaag agatttaatt tgggtatcag ttctgtggtc gtctccccca 480
 tggatatagaa ggtccttgaa ggaaagaact ttgcttttcc acttctctat cccagtgcc 540
 cagaatgggc ctttggaag catcgagcag cctctcttgc tcagtgggca ctgaaatggc 600
 actcggagct cagtaccag ataaaggaca cccccagat aaaggacacc accccttccc 660
 ccgcgcaggc ctcgggaaag ggcgaggccg tgcgaggcca 700

<210> 2092
 <211> 700
 <212> DNA

<213> Homo sapiens

<400> 2092

```

ggaaagaact ttgctttttcc acttctctat cccagtgcc cagaatgggc ctttggaag 60
catcgagcag cctctcttgc tcagtgggca ctgaaatggc actcggagct cagtaccag 120
ataaaggaca cccccagat aaaggacacc accccttccc ccgcgcaggc ctcgggaaag 180
ggcgaggccg tgcgaggcca caggaagggg cgtggcctct gaggacctg gggcggggtc 240
tggcagggtc agaggtttct ggaaaggcct ttgacctgtg ggcgtgttcc tagaggtcag 300
gtggtgagaa tggcggggtc agcggacagc agtggggcta caggctgtgt ctgtggctgc 360
cctggcttag ggctctggct ggccccctct ttccgacctg gtctggcaga gcagccccgc 420
aggaccagct cgcaaggctc ctggggccag tggggctctg tcctgtgagg cggctccctc 480
gcaaggacag agtcagagag aggtcgtgta gtcaaggatg tgctctgagc gggggctcgg 540
gtgctgcaaa tgatgtcttg gacgtaatat ctaaggctga cgctactttg aagaggttta 600
acttttgtga agattcttta ttctaaactc gggggaaact tttttttttt gatctgcagt 660
caaagtctct accactgagc tataccccct ctgccaaact 700

```

<210> 2093

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2093

```

aggctcgtga gtcaaggatg tgctctgagc gggggctcgg gtgctgcaaa tgatgtcttg 60
gacgtaatat ctaaggctga cgctactttg aagaggttta acttttgtga agattcttta 120
ttctaaactc gggggaaact tttttttttt gatctgcagt caaatgctct accactgagc 180
tataccccct ctgccaaact tttttttttt taaagcattt ggggggttgg agaagataag 240
tggtaggaaa ggccatgggt atttggaag ctcaaagtct tttgttttta aggcactttt 300
cagtgtcttt ctgaaagtgc gtttataaca tggaggatca gccccctccc cacaccccag 360
cttggctctc ccttctctta ctctctctctg aaaagtccat ctctttctct tgaaatttgc 420
agccaacgga gcctcactaa agtaatgacc caaactgctt ttgtacctag tgggctcaca 480
gctgtcatct tgctgtcttc tttgatttca agaagcttaa ggcaagctgc ttatgctaga 540
tttactgtcc tcaccttcca ttcttaaatt tttgacgcag tgagtctccc ccaactaatt 600
ctctggaatt gtctggtaaa gtgttctggg tctctctagt ggccaaaccc agtagacact 660
tcggacagtt tttttttttt cctctagcga agcacttcgt 700

```

<210> 2094

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2094

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tttgatttca agaagcttaa ggcaagctgc ttatgctaga tttactgtcc tcaccttcca 60
ttcttaaatt tttgacgcag tgagtctccc ccaactaatt ctctggaatt gtctggtaaa 120
gtgttctggg tctctctagt ggccaaaccc agtagacact tcggacagtt tttttttttt 180
cctctagcga agcacttcgt gattcaagtt ctcccttatt tccggcctcc ctggctcctt 240
ttcatcagcc taggcttctc atatatatgt tcctagtct agtttgtttc cttttcacgg 300
tagtactgta tgctatagga ggaaggatct ttacttccac tgctttaaca tgtatatgtt 360
tatgatttat tgaattgtct ttttgtaact aaatctttct cttgagctct gtttttagacc 420
cttatatcca ncnttctaga ggacataccc acctggacca acatctagaa taggtgtcag 480
aaattattca acaaatgatc acaaataggg cctgatgtag gaaaaatata attacaatga 540
ctgttaacct tttgggggtga cagaccctct tgagacccat atgaaatttc agggctcttta 600
tccctttaa aagtgcacac aaaattttgc ctgtttcaaa gcttcctaga ccttctgtag 660
ttcaagaatt tgaggctttg gtttagagctt cctgatatga 700

```

<210> 2095
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2095
 acaaataggg cctgatgtag gaaaaataca attacaatga ctgttaacct tttggggtga 60
 cagaccctct tgagacccat atgaaatttc agggctctta tccctttaa aagtgcacac 120
 aaaattttgc ctgtttcaaa gcttcctaga cttctgtag ttcaagaatt tgaggctttg 180
 gttagagctt cctgatatga taatgataaa atgaaaaagt gtgttttcac agataagcat 240
 cagatttnga aacttacaat gggaatgcat tgtattccag ccgtcatcaa acgttaaccc 300
 tgattaatca catcaggctg atttatggaa acattgtctt tagcagtagc aacatagaat 360
 gaaaaatctg gagccctaga gttgaaatat accccagcag actccctgtg gctaaaatga 420
 gacataccaa aaccagaatc taacggccac agcaagatga gggcttggtc atgtatccct 480
 gtgttactaa ctaccataag gttttctttc ctgtaagcag aaaccaggtc ctgaaaaaca 540
 tcacagaaac tacagctgga aatttcctgt tgaccctgat agactactac ttgacaccag 600
 ccgaccgatc tgctggctgc ccaccatggt cctgccacaa ttctgatggg acagagaatt 660
 ggccttactt tctttcctga taaatagcca tagacctcaa 700

<210> 2096
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2096
 gttttctttc ctgtaagcag aaaccaggtc ctgaaaaaca tcacagaaac tacagctgga 60
 aatttcctgt tgaccctgat agactactac ttgacaccag ccgaccgatc tgctggctgc 120
 ccaccatggt cctgccacaa ttctgatggg acagagaatt ggccttactt tctttcctga 180
 taaatagcca tagacctcaa gccagccagt tttggccagc ttatagagac tgtacacaaa 240
 ctgtctttgt gccctgtagt tcaccttttt gatgcaaaga gccaaattca cttacttta 300
 atgctaaaac cccaccccaa agtgaacatg gaatgcatgt tacatatatg tttaccact 360
 gcacacatgc ttgacttccc tcatgaatat tcacagattc ctttaagcct gctaaatata 420
 acccagctaa tttttatatt tttggtacag atagggtttc atcatgttg tccaggctggt 480
 cttgagctcc tgacctcaag tgatccaccc gcctcggcct cccaaagtgc tgggattaca 540
 ggcgtgagcc accgcgcca gcctcatgat gatttctaaa cacagattcc cctgatccat 600
 gtgggcgtgt gtgtatggcg gcggcaattt taggagtcaa ctataacaag gtcccaagga 660
 agtgagaggg gagccaagct ccaggggaca gaagagggaa 700

<210> 2097
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2097
 tgatccaccc gcctcggcct cccaaagtgc tgggattaca ggcgtagacc accgcgcca 60
 gcctcatgat gatttctaaa cacagattcc cctgatccat gtgggcgtgt gtgtatggcg 120
 gcggcaattt taggagtcaa ctataacaag gtcccaagga agtgagaggg gagccaagct 180
 ccaggggaca gaagaggga ggaaggggca atggtaggtt tcttttttag ggcccatggt 240
 gtatgcagga aacacttcct cccattttt tactttggtg tgtaatgaaa tagccaagca 300
 acacttttct ctttttctga acttgctgag gaaaaaggaa aaaagggatc caaatctatc 360
 tgtcttgag caaagatgac agaattgcag gcagtgcac gatcaaatgt gctgaggaca 420
 ggagcaaacc acgcacaccc tggagtatcc ctgtaaggca taaataccag cttcctattc 480
 ccttttggag tatgtccttt tggttttcct gggaggttgc attccccaat ttgtagattg 540
 tttctccctc tgaaaaatagt tttttttccc ttttcttct ctgtgcatct catggtcttt 600

```

tggttaacatt tcaaagagag tttctgatta actgtggggtt gcatgtttca cagtccaaat 660
agccttagcc  tggtcagaga ccagggcctg cttcagataa                700

```

```

<210> 2098
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(700)
<223> n = A,T,C or G

```

```

<400> 2098
tgggttttctt gggaggttgc attccccaat ttgtagattg tttctccctc tgaaaatagt 60
tttttttccc ttttcttctt ctgtgcatct catggtcttt tggttaacatt tcaaagagag 120
tttctgatta actgtggggtt gcatgtttca cagtccaaat agccttagcc tggtcagaga 180
ccagggcctg cttcagataa tttacgaagt tgttgctatt aagagtgtaa cctggctggg 240
tgcagtagct cacgcctgta atcctagtac tttgggaggg cgaggtgggt ggatcacttg 300
aggccaggag tttgagacca acctgaccaa catggtgaaa tcccgtctct actaaaaata 360
caaaaaaatt agccaggcgt ggtggcacac ttctgtgatt ccagtgactt gagaggctga 420
ggcaggagaa ttgcttgaac ctaggagtng gaggttgcag tgagccaagg ttgcgctact 480
gcactccagc ctgggcgaca gagtgagact ctcttggggg aaaaaaaga gtgtaatctg 540
ctcccctcca gctggacggg aatacagata aggttttgag gcctgggtgcc ttgtaggagc 600
cctgagtgat caggcagtcg tagaagtgca tgaggtgcc a ggggtttcct tccagcagaa 660
cttgcccttct ttattttgttg ggccagtgc ttctcagttc                700

```

```

<210> 2099
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2099
gagtgcagact ctcttggggg aaaaaaaga gtgtaatctg ctcccctcca gctggacggg 60
aatacagata aggttttgag gcctgggtgcc ttgtaggagc cctgagtgat caggcagtcg 120
tagaagtgca tgaggtgcc ggggtttcct tccagcagaa cttgccttct ttattttgtg 180
ggccagtgac ttctcagttc cagagtattt gccttgatgg tccatgagtg ctgttttgag 240
attgaccccc actctctctt gaatgaaata tatttcatct cttttcttct tgtattgata 300
tggttaatat tattttttta taaaggtgag atctaaggag acattatcca ctttgtttta 360
acccttctct tggctgccat gatccaacta tcttctggtt tttcttctat ctctgcctac 420
aacttctcaa taccgtagtc tcctgtggcc ctcttttccc aatcctcagt tatggctcag 480
agtttcttta tagccatttt ttttttctct gaaggtcat gacttccaaa tacttgatat 540
tccaaatact tgatatcagt atattgatat tgataactct tgagtcttta attctagctt 600
ttattacttt ccaacttcca gctccagctc tacttagatg gcccgcaggt tcttccattt 660
taatagatcc ctaaccaggt tcattatact tcccttaaat                700

```

```

<210> 2100
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2100
ttttttctct gaaggctcat gacttccaaa tacttgatat tccaaatact tgatatcagt 60
atattgatat tgataactct tgagtcttta attctagctt ttattacttt ccaacttcca 120
gctccagctc tacttagatg gcccgcaggt tcttccattt taatagatcc ctaaccaggt 180
tcattatact tcccttaaat ggttctctatt tctgttttac ttatctttgc aaatggcaaa 240
aatgactgat cattctccta gcctcagcta ggaggcgatt ctctcttctt tcttctactgt 300
tcttgataac tattcatgtg aacttccctt ttcactttgc ttggtatttt tccccactg 360
ttccaggaaa ttggttaact gtttctattt tgctcttaat ctttagagca accttagagt 420

```

```

ttaggtatat agttcccatt ttactcatga gaaaacaggc ttacttttaa aattattaat 480
tacacaaaga aaatgtacat gcatgttacc tctaagcaaa tttaggcaaa acagaaatag 540
aataaaatat tacagtggcc cctccctccc attactctcc tatgtcttta gcagtgggttc 600
tcagctgggg agattttgtc ccctagggca gtgggtcccca gacatttttg caccagggac 660
agtttcatgg aagacaattt ttccatggac ggggggttgg 700

```

```

<210> 2101
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2101
gcatgttacc tctaagcaaa tttaggcaaa acagaaatag aataaaatat tacagtggcc 60
cctccctccc attactctcc tatgtcttta gcagtgggtc tcagctgggg agattttgtc 120
ccctagggca gtgggtcccca gacatttttg caccagggac agtttcatgg aagacaattt 180
ttccatggac ggggggttgg ggggggatgct ttcagaatga aactggtcca ccttagatca 240
tcaggcatta cactctcata aggagcatgc aacctacatc cctcgcatgt gcatgcatag 300
ttcacagtgg agttttgcgt gctatgagaa gttaatgttg cagctgatct gacaggaggc 360
agagttcagg cagtaatgct cactcgcctg ctgctcacct gctgtgcagc ccggttgcta 420
acaggccact gaccggtact gatttgcagc ctgggcattg gggacctctt ccctaggaga 480
tatttgacaa ggtctggaga caattttgat tgccttgact taggggatac tactggaata 540
aaactaccta ttgggcacta aaatatatat atataaatat atataatata taaaaatata 600
tataaatata tatgtaatat ataaaaatat ataaaaatat atataatata taaatatata 660
taaatatata taatatataa aaatatatat aaatatatat 700

```

```

<210> 2102
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2102
caattttgat tgccttgact taggggatac tactggaata aaactaccta ttgggcacta 60
aaatatatat atataaatat atataatata taaaaatata tataaatata tatgtaatat 120
ataaaaaatat ataaaaatat atataatata taaatatata taaatatata taatatataa 180
aaatatatat aaatatatat aatatataaa aatatatata aatatataaa atatataaaa 240
atatataaaa atatataata atatatataa tataaaaaata tatataaaaa tatatataat 300
atatataaat atatataata tataaaaaata tataaatata taatatataa atatatacaa 360
tatataaata tacaatatat aaatatataa atatatata tataaatatat attatatata 420
atatatatat tatatattat atatatata tattatatat aatatataat atatattata 480
tataatatat aattttatatt tttaaatata tatttttaaat atgtttaata tatattatat 540
atttttaata tatataatat atattaatat atatttttaa tatataatat atattattta 600
atatataata tatattttatt atattanatt atattaaata tatattaatt atattaatat 660
atatttaata tattaatatata tattttaatat atattaatat 700

```

```

<210> 2103
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2103
tttaaataata tatttttaaat atgtttaata tatattatat attttaaaata tatataaatat 60
atattaatat atatttttaaa tatataaatat atattatttta atatataata tatattttatt 120
atattanatt atattaaata tatattaatt atattaatat atattttaata tattaatatata 180
tattttaatat atattaatat atatttttaaa tatattttaat ataattaata ttaaataatat 240
taaataataaa aatataattta aatataatatt ataatatata tataaacaac accatcaccc 300
acagttccca ttacctgttt atagtcttgt ttccttcctt tgttcttaac accttctaag 360
gtattatatc attaccttat tatgtttatt gttatgggtt ggagatattt tcaaattttt 420
actctgtatg atatgtattt ggcacagtat tcaacaaaat actgtatttg gaatccaagt 480
gtttattatg gcttttttaa aaaaattaat acataganta aaaataaata cataacgcta 540
gccaaataaa tatggatttt gcaactgtaat tgtaaaaaaa tgtgttttgc actggtaatc 600
caaaggaaac aaaataaaaa taaaaaaat aattctccta tcccaaatgt cagtagtgcc 660
caggttgaaa aactgctctg gaggtaatct gttatatatc 700

```

<210> 2104

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

```

<400> 2104
aaaaattaat acataganta aaaataaata cataacgcta gccaaataaa tatggatttt 60
gcactgtaat tgtaaaaaaa tgtgttttgc actggtaatc caaaggaaac aaaataaaaa 120
taaaaaaaat aattctccta tcccaaatgt cagtagtgcc caggttgaaa aactgctctg 180
gaggtaaatct gttatatatc attttccata actacactat ccaatactgt aaccactagc 240
caggtgagggc tattttacact gaaattaatt aaaattaatt aaaaattctg ttcctcagtg 300
ctattaagta catttttaag tgttcaatgg ccacacatgg ctacagaatt aaacagcata 360
gattatagaa catttcaatg attgcagtaa gatttgttgg acagtgcctt aggtatatat 420
cacgcaaata gatgttctgt ttacataaaa tagaatcata catactgttc tatagttttg 480
ttaatatgtc ttgaagattt ttccatctaa gtatatataa ctaaaatatg tactaagtac 540
atataactaa atattttaagt ttaatggtct gtgatatagt tcagttttat taaattcata 600
aatttaattt attacagcaa tgtagtttaa ttttgcctt ttttaagttt atgtgtatgg 660
actcatataa tacatattat ttttatccag tttattttac 700

```

<210> 2105

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 2105
ttccatctaa gtatatataa ctaaaatatg tactaagtac atataactaa atattttaagt 60
ttaatgggtct gtgatatagt tcagttttat taaattcata aatttaattt attacagcaa 120
tgtagtttaa ttttgccttt ttttaagttt atgtgtatgg actcatataa tacatattat 180
ttttatccag tttattttac tcaatgctat gtttttaaga tatatccatg ttatttctgt 240
atatctatag ttattccttt taagtgcctt atgggtattcc attggatgac cataccatag 300
gttgtttatc catttgactt ttgtgggcat ttgagtttct tccagtttgg ggatataatg 360
aataattctg gcatgaatat tctgtactta tttcctgaaa gtatattttt atgcagggtta 420
tacatgggaa tggaattatt ggtccactga aatttactag attatgccac tttcttaaaa 480
tagttgcatt cttcttctta ttattatttt tgagatggag ccttgctctg tcgcctaggc 540
tgagtgcatg tgggtgatc tcagctcact gcaactttca tctcctgggt tcaagcgatt 600
ctcctgcctc agcctcctga gtacatggga ttacaggtat gtgctatcat gccagctaa 660
tttttgatc tttggtagag atggggtttc accatgttcc 700

```

<210> 2106

<211> 700

<212> DNA
 <213> Homo sapiens

<400> 2106
 ttattatattt tgagatggag ccttgctctg tcgcctagggc tggagtgcag tgggtgtgatc 60
 tcagctcact gcaactttca tctcctgggt tcaagcgatt ctctcgctc agcctcctga 120
 gtacatggga ttacaggtat gtgctatcat gccagctaa tttttgtatc tttggtagag 180
 atgggggtttc accatgttcc aggctagtct tgaactcctg acctcaagtg atctgcccgc 240
 ctcggcctcc caaagtgttg ggattacaga cgagagccac gttgcctggc cgcatttttt 300
 tcttaatagc agtatgtgag agttcccctc taaactgcat cctaagcagt atctttgtat 360
 ttgtcagact tttaaagttc aaacttcctg gtggcatgtg gttgtatccc atagttttat 420
 tttgcacttc tttgattatg aatgatacag aacactttca tatatttatc agtcttttga 480
 atattttctt ttatgagttc tttttgagtc tctagaccat ttatctattg agttgtttta 540
 ttaatttgta gaaagacttt gtatattctg gatacaagcc ttttattggg tgtatatgtt 600
 gtgtagatat tctccacctt tagtggctgc ttgccttttc tgtctctctt aatgggtgatt 660
 tttgatttgt tttgagaaat atcaaccttt cttcttaaga 700

<210> 2107
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2107
 tttttgagtc tctagaccat ttatctattg agttgtttta ttaatttgta gaaagacttt 60
 gtatattctg gatacaagcc ttttattggg tgtatatgtt gtgtagatat tctccacctt 120
 tagtggctgc ttgccttttc tgtctctctt aatgggtgatt tttgatttgt tttgagaaat 180
 atcaaccttt cttcttaaga ttattcaata acagcaaagt aacaatgaga aactactgtc 240
 agtttaagtg ggttttagctc ctcagttcca aggtatataa tcacttaaat ataacctgga 300
 aaaaaaaca aaaatatttc tctaaatcat ggtctttgta aaaaaatgaa ttaaactctt 360
 tctgttctct catattgtat tccaattntg gatgtagcca ccagtgaagt agcaaatgtc 420
 taaatttgga tacatcactt aaatatttag aacgtcattg gtttcttcaa acagtggaaa 480
 attcttgcca tgcctacctt atagactttg tataatgcta ttatcaatgc tagctgatac 540
 taacttagaa gatgattata catttttaaa cagctcttcc tatcctgggt ctacaataag 600
 aactgactc caccacatac tggatgacct agagcaagtt aacttaatga cactgtgcat 660
 taatttactt tgctataaca atgggataat atatcaattc 700

<210> 2108
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2108
 atagactttg tataatgcta ttatcaatgc tagctgatac taacttagaa gatgattata 60
 catttttaaa cagctcttcc tatcctgggt ctacaataag aactgactc caccacatac 120
 tggatgacct agagcaagtt aacttaatga cactgtgcat taatttactt tgctataaca 180
 atgggataat atatcaattc atgttattat tgcagctatt gttcagatag aacaattgag 240
 agaatttata aacaaaatga ctaagcagat gagttagttt tcctaattgg ccagcttaag 300
 ggagagagtt ataagggcta tagagttcta gatgaaatta taacatcacc tcaaagagag 360
 agcaacttac ctctggctcag gctttcttcc tgaagtgttt cttgggagag ggtgagcaga 420

```

gtgggtcaaga gcctatctat ttattttcagt gggctaagca tagatgtcct tgagangaag 480
acttccttgg tccttttaggt aatgtaagtc cttcaacttc attctttttc aaaattgttc 540
tgactattct gggtcctttt tatttccatg tgaatttttag gatcagcttg tcaatttctn 600
caacaagccc agctaagatt ttgatagggt ttaccttggt cttgctctta ggagccaagc 660
agcccatctt tcaccattaa gtatgatgtt agttgtgaga              700

```

<210> 2109

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2109

```

aatgtaagtc cttcaacttc attctttttc aaaattgttc tgactattct gggtcctttt 60
tatttccatg tgaatttttag gatcagcttg tcaatttctn caacaagccc agctaagatt 120
ttgatagggt ttaccttggt cttgctctta ggagccaagc agcccatctt tcaccattaa 180
gtatgatgtt agttgtgaga gtttcgtatc tgtctttatc acattaagaa tgttctcttc 240
tattcctagt ctgtggagag gttttttgtt tgtttgtttg tttgtttgtt tgttttttta 300
gacagagtct cactctgtca tccaggctgg agtgcagtac aatctctgct ctctgctctc 360
tgcaacctcc acctcccggg ctcaagtgat tctcctgcct cagtctctctg agtagctggg 420
attacagggtg tgcgccacca catccagcta atttttgtat ttttagtaga gacgggggtt 480
taccgtgctg gccaggctgg tttcaaattc ctgacctcag gtgatccacc cgcgttggcc 540
tcccaaagtg ctgagggttac aggtctgaac catcatgccc agcctagatt tttttttaaa 600
aatcataaat aggtgttgaa ttttgtcaaa tgcccttctc gcgtctgttg aaataatcat 660
gtgtccttta ttctatatag tctcttacat taattgcatg              700

```

<210> 2110

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2110

```

tttcaaattc ctgacctcag gtgatccacc cgcgttggcc tcccaaagtg ctgagggttac 60
aggtctgaac catcatgccc agcctagatt tttttttaaa aatcataaat aggtgttgaa 120
ttttgtcaaa tgcccttctc gcgtctgttg aaataatcat gtgtccttta ttctatatag 180
tctcttacat taattgcatg ttaaaccaac ctcatattct tgcagaaatc tcacttggtc 240
atggtgtata cattcttttt acatattcct ggatttagtt tgctaataat taaggattct 300
catgatgatg ttcatgaggg ttttgtagtt ttctttttgt atgatgtctt tagctttggg 360
attagggttaa taaacatctt agatttagtt gggatctggt ctcttctcta ttttctgaag 420
actttgtgaa ggattagcat tatttttttg ttaaataatt gataaaattc accagtgaag 480
ttatctgggc ctagaattct ctttatggga agattttaca tttctaattc agtttcttta 540
ctttttatag gcctatttag attgttctgt atatttttta gttcattttg gtaatttgta 600
cctttntagg aactttttcca cttcatatta gttgcctgct ttgttggcat aaagatgttt 660
acagcatttc cttgtaattt ctataggatn cagtagtcta              700

```

<210> 2111

<211> 700

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2111
 ctttatggga agatttttaca tttctaattc agttttcttta ctttttatag gcctatttag 60
 attgttctgt atatttttta gttcattttg gtaatttgta cctttntagg aacttttcca 120
 cttcatatta gttgcctgct ttgttggcat aaagatgttt acagcatttc cttgtaattt 180
 ctataggatn cagtagtcta ttctttcttt cgtcccttta ttgggtaatt tttatcttct 240
 ctattttttt cttggtcagt ctaaagggtt gtcaattttg ttgatctttt caaataatca 300
 gccttttaggt ttctttgggt ttctctattt ttccattttc tattttgttg atttctgctc 360
 ttatccttat tatttcattt attttgcttg ctttgatcat ttttaacttg ccctcctttt 420
 ttagtctctt aagggtgagag cctgggttat tgattagaga ctttttttta aatataggca 480
 tttaaagcta tacattttct tctaagtacc acttgaaact gcacccata aattttaata 540
 tattgtagtt ttgtttttat ttagtccaat atatatttta gttttcatng tgaattcttc 600
 tttgacctat ggggtatttta gaagaatgtt gttcaatttc caaatatttg aagatattca 660
 agatttcttt ctatttttta tgtttaattc catgtggttg 700

<210> 2112
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2112
 tctaagtacc acttgaaact gcacccata aattttaata tattgtagtt ttgtttttat 60
 ttagtccaat atatatttta gttttcatng tgaattcttc tttgacctat ggggtatttta 120
 gaagaatgtt gttcaatttc caaatatttg aagatattca agatttcttt ctatttttta 180
 tgtttaattc catgtggttg gacagcatat tctgtatgag ttaaactctt aaaatttatc 240
 aggacttggg ttgtgacctt acatatgggt tttcctggag gatgtctgtg tgagcttgaa 300
 aggaatgtgt attctgctgt tttttgatgg agaattctat aggtgtcagg tgaaattggg 360
 tगतगcatt gttcagatct tgtatatcct tctgattttt ctgtgtgggt gttttaccag 420
 ttcataagag tgagggtattt aaaatatcca gctattattg aattacctat ttcttctttc 480
 agcactgtca attgttggtt tatgtctttc ggggctttca ttaagtgata tacatctata 540
 attattacat ctttttgata tattgactct tgttacatta taaaatgttt ctttttgtct 600
 ctagcagtat ttcttattct aaagtttatt ttgtcagata ttaatacagc caccatctct 660
 ctctttagat tggtgttttg atggtacatc ttttacctct 700

<210> 2113
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2113
 tatgtctttc ggggctttca ttaagtgata tacatctata attattacat ctttttgata 60
 tattgactct tgttacatta taaaatgttt ctttttgtct ctagcagtat ttcttattct 120
 aaagtttatt ttgtcagata ttaatacagc caccatctct ctctttagat tgttgtttgc 180
 atggtacatc ttttacctct tttttttttt ttaagacagg gtctcaccct gttgccaggc 240
 tggagtgcag tggcgtcatc tcagctcacc caaacctctg cctcccggtt tcaagtggct 300
 ctctgcctc agcctcccaa gtagctgaga ttacaggcac ataccaccac gccagataa 360
 tttttgtatt tttagtagat atgaggtctc accatgttgg ccaggctggg ctcaaactcc 420
 tggcctcaag tgatccaccc accttggcct cccaaagtgc tgggattaca ggtgtgaacc 480
 actgcgctg gcttaccttt tttttttttt ttaaccttaa aaaccttttt agattatttg 540
 aatctaaagt gtgtctttgt atgtagcatg tatttggatc ttgttttatt tattcaatct 600

581/663

```
gaaaagctct gagtttgcta agaaaaatca aggtggttca gtggtagaga atctcagagc 660
agaagggttt cagatagatt gtttagggat gatctctttg 700
```

<210> 2114
<211> 700
<212> DNA
<213> Homo sapiens

```
<400> 2114
tttttttttt ttaaccttaa aaaccttttt agattatttg aatctaaagt gtgtctttgt 60
atgtagcatg tatttggatc ttgttttatt tattcaatct gaaaagctct gagtttgcta 120
agaaaaatca aggtggttca gtggtagaga atctcagagc agaagggttt cagatagatt 180
gtttagggat gatctctttg tagtggtgac ataaagctga tactaaagac tagaaggaa 240
caaagtgtga agaagggaag ggaaaggaaa gagcattata aatcaagaga acagaccctg 300
agtgatagga gagcttgaca tttttgaaga actgaaagag aagctggttc atagttagca 360
aagggaatgt ggtggcagat gaagggtagt atgctaaaca aggtgacac tgcggaatct 420
tgaagtctat ggtgaaaagt ttgtatttta ttgaaaagt agtgtgaagt cattgaaatt 480
tttgaagagt agaagaaact tgatccaatt tgtgtgtaca aaatctgaat ctaaaccctt 540
gtaagcaaga aatagcatat tgtaggctgg gcatggtggc tcacgcctgt aatcccagct 600
ctttgggatg ccgaggcggg tggatcgctt gaggtcggga tttcgagacc agcctggcca 660
gcatggtgaa accccgtctc tactaaaaat acgaaaaacta 700
```

<210> 2115
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```
<400> 2115
tgatccaatt tgtgtgtaca aaatctgaat ctaaaccctt gtaagcaaga aatagcatat 60
tgtaggctgg gcatggtggc tcacgcctgt aatcccagct ctttgggatg ccgaggcggg 120
tggatcgctt gaggtcggga tttcgagacc agcctggcca gcatggtgaa accccgtctc 180
tactaaaaat acgaaaacta gctggggatg gtggcagggt cctgtaatcc cagctactct 240
ggaagctgaa gcaggagaat cacctgaacc caggagggtg aggtttcagt gagccgagat 300
tgcgccattg cactccagcc tgggtaacag agtaagactc catctcaaaa aaaaaaaaaa 360
aaaaaaaaaa aaaaaaaaaa gaangcanga aatagcgtat tgtaattttt ttctaatttc 420
aaattaaatt tgacttanat actcttcctt gatgagctgg tgagaaatgt attgtcagtc 480
actattaggg ctgtgtcacc tcagaagttc ccaccaaact aacaagggtt ctagaaaata 540
gaaggaaaac ttctaacttt gagtttgtca tggtcatttg gctagtatgt ggatgtttgt 600
ccatatccac agtttcctta aaggatggta gttttctgct tctatgccac tttgggggtt 660
atgaaactgg agatgacaag tcctggtact ctttttggtg 700
```

<210> 2116
<211> 700
<212> DNA
<213> Homo sapiens

```
<400> 2116
tcagaagttc ccaccaaact aacaagggtt ctagaaaata gaaggaaaac ttctaacttt 60
gagtttgtca tggtcatttg gctagtatgt ggatgtttgt ccatatccac agtttcctta 120
aaggatggta gttttctgct tctatgccac tttgggggtt atgaaactgg agatgacaag 180
tcctggtact ctttttggtg taccatggaa ccatcatttt ttaggtctaa ttctttctta 240
gagatgctgc ctgtgagtgt ggtagtcagt tctctttatt atactttttc ttttttcctc 300
cctcttctga cctttccttt tgttttcaga aattactcta gaatgtatac tcttctcttg 360
ttaccattaa aaacttaaca ggattttact ttgattttta caaaagacac gaagtgcaat 420
```

```

tacctggatt agcttcttct atgaagaaaa ataaagcagc ctaacagggt agagattgat 480
agagtctact atcttaaata gagagactag gaaactctct cttagtagag tcatttgagt 540
agaatcctga aggcagtaaa agaaaaataac atttcacgca aagggataa caaatacaag 600
gtgtctggga atggagagta gttggtgttt ttgaggaaaa gttaaaggta ggctactgtg 660
gctggaacga atgaacaagg ttaaggagct ttagtagatg 700

```

```

<210> 2117
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2117
gagagactag gaaactctct cttagtagag tcatttgagt agaatcctga aggcagtaaa 60
agaaaaatac atttcacgca aagggataa caaatacaag gtgtctggga atggagagta 120
gttggtgttt ttgaggaaaa gttaaaggta ggctactgtg gctggaacga atgaacaagg 180
ttaaggagct ttagtagatg aagtagccag atatcagagc atgcagaacc ttgaaagtcg 240
ggggaaggac tttgagggtt tactatgagt gagatcatag aagattattt tgtagagtag 300
actacagagg ggacaagggc atgcaagaaa aaaccagact ggacacctag atattgaact 360
tactaaataa agacattaag ccaactgtta taaatatatt caaagaacta agacaacta 420
tgtctaaaga attaaagtgt gagaatgatg tcttacttaa tagagaatat caattaaaag 480
atataagtta ttttacaaac cagatggata ttctggttga caaatacaat aactgaaatg 540
taaaattcac taaagggact catcatcctt tttgaacttg caaaataaag aatcagttaa 600
cttaagatca cccagtctga gaaacagaaa gaaaaagaaa tgcagaaaaa tgaacagagc 660
catacagatt tgtgagaaac catcacatgt atcaatacat 700

```

```

<210> 2118
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2118
cagatggata ttctggttga caaatacaat aactgaaatg taaaattcac taaagggact 60
catcatcctt tttgaacttg caaaataaag aatcagttaa cttaagatca cccagtctga 120
gaaacagaaa gaaaaaagaa tgcagaaaaa tgaacagagc catacagatt tgtgagaaac 180
catcacatgt atcaatacat gcataaggag aatcccaaaa gaaaagaaaa agaaagggca 240
gaaagaatat ttgaagatat gatggcaaga aactacaaat ttgataacaa acactaatct 300
gcacactaag aaactagtga actccaagta ggataaacct agagacacgt catagtcaaa 360
ctattgaaaag ccaaagatca agaaagaatc ttggccaggc acagtggctc atgcctgtaa 420
taccagcact ttgggaagct gaggtggaca gattacttga gctcacaagt ttgagagcag 480
cctgggcaac atggagaaac cctgtctcta caaaaaatac aaaaattagc caggcgtggt 540
gttgcatgcc tgtagtccca gctactcggg aggctgagat gggaggaaat agaggttgtg 600
gtgagccaag attgtgccac tgcacttcag gctgggcaat agaaccagac ctctcaaaaa 660
gaaagagaga ggccgggagc ggtgctcagc cctgtaatcc 700

```

```

<210> 2119
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 2119
cctgtctcta caaaaaatac aaaaattagc caggcgtggt gttgcatgcc tgtagtccca 60
gctactcggg aggctgagat gggaggaaat agaggttgtg gtgagccaag attgtgccac 120
tgcacttcag gctgggcaat agaaccagac ctctcaaaaa gaaagagaga ggccgggagc 180
ggtgctcagc cctgtaatcc cagcactttg ggaggctgag gcggggcgat cagcaggtca 240

```

```

ggagatcgag accatcctgg ctaacacggt gaaccccgctc tctactaaaa atacaaaaaa 300
ttagccggcc gtggtagnng gcgcctgtag tcccagctac tcgggaggct gaggcaggag 360
aatggcggtga acctgggagg cggagcttgc agtgagccga gatcgcgcca ctgcactcca 420
gcctggggcga cagagcgaga ctccgtctca aaaaaaaaaa aanaaaaaaga gagagagaga 480
gagagagaaat attgaaaata gaaagagaag gcagcaaggc atgttcaata aaattaacag 540
ctttcttttc attagaaact gtggatacca cagaaggcag agggatgatg tattcaaagt 600
gctgaaagaa aaggactgtc aactaggagt tgtatattca gcaaagctag tcttcaaaaa 660
ttaaggtgaa tttaaaacat tcccatgtaa acaaaaacag 700

```

<210> 2120

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2120

```

gaaagagaag gcagcaaggc atgttcaata aaattaacag ctttcttttc attagaaact 60
gtggatacca cagaaggcag agggatgatg tattcaaagt gctgaaagaa aaggactgtc 120
aactaggagt tgtatattca gcaaagctag tcttcaaaaa ttaaggtgaa tttaaaacat 180
tcccatgtaa acaaaaacag aattcttcac tagcagacat gccctataag aaatatgaaa 240
gggggttctt taggttgaaa tgacaggaca ctaaatagta acttgaatcc acacagagaa 300
ataaagagta ctggtaaaga taactctata ggtaaatgta aaagtcagta taaatattat 360
ttttgtttgt aacctttttc ttctatctga ttcaaaagac aactacataa agcaataatt 420
ataattatat atttaataat gtgtaaggat attcttttaa tgccaataat aataaaaagg 480
gaggagaagg aatggagctg tacgggaaca ggggtttttat atattattga aattacgtca 540
atattactct gagctagatt gctttaagtt aagacgttaa ttgcagtccc caggggcaaat 600
actaataaaa gaactaaaaa aagtggtaaa atagctaaca agtggattaa aatgntatac 660
tagaaaacta acacaaaaga aggcagtaat gaaaggatag 700

```

<210> 2121

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2121

```

tacgggaaca gggtttttat atattattga aattacgtca atattactct gagctagatt 60
gctttaagtt aagacgttaa ttgcagtccc caggggcaaat actaataaaa gaactaaaaa 120
aagtggtaaa atagctaaca agtggattaa aatgntatac tagaaaacta acacaaaaga 180
aggcagtaat gaaaggatag aggaacataa aggcattgtac agaaaacagc aaaatggcaa 240
atgtaaatct catcagtaat tccaagaaat gaaatgggca ctacagtcaa aaggcataga 300
ttaagagaat gaataaaaata acataatcca actatatgct atctatgaga caaatatata 360
ttcagagaaa caaatagggtt gaaaagtgaag agatggaaga agatacagaa tacaacaatt 420
ctccaaaaaa gaactggaga ggctgtgcta gtattagaca aaatagactt tgagacaaaa 480
attgttacta gagaccaaga agaacatttt atattaaaaa ggtcagtcca tcaaaaaaac 540
ataacaatta taaacatatg cacctaagag cagagcctca aaataaatga ggcaaaaccc 600
agcagaatta aaggaaaata gacaattcaa caataatagt tggagatgtc aatacctcac 660
tttgaaaaat ggatacaaca tataggtaga tgatcactgg 700

```

<210> 2122

<211> 700

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2122
agaacatttt atattaaaaa ggtcagtcca tcaaaaaaac ataacaatta taaacatatg 60
cacctaagag cagagcctca aaataaatga ggcaaaaccc agcagaatta aaggaaaata 120
gacaattcaa caataatagt tggagatgtc aatacctcac tttgaaaaat ggatacaaca 180
tataggtaga tgatcactgg ggaactagaa gacttcagca acactataaa ccaactagtc 240
taatagacac ctntaaaaca ctctcccaa cagtgttaagg cacattcttc tcaaatacac 300
atttaaaatt cttttctccc tttctttctt tttttttttt tggacaggat attgttctgt 360
gggtctaggct ggagtgcagt ggcattgatca cagctcacta cagctgcaaa gtcctgggct 420
caagcagtcct tcctgtctca gcctcccaaa tatctgggac tatagggtgtg caccaccatg 480
cttcgctaatt atttttgttt tagtagagaa aggggtctcac tatgttgccc agactgggtct 540
tgaactcttg gcctcaagca gtcctcccac ctggcttccc agatagggaa ttataggcat 600
gagctactgc agccaacctc tagacctcat gtcagaccat aaaataagtc tcaataaaact 660
taaaagaatt caaattatat aaagtatggt ttaactacaa 700
```

<210> 2123
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2123
tagtagagaa aggggtctcac tatgttgccc agactgggtct tgaactcttg gcctcaagca 60
gtcctcccac ctggcttccc agatagggaa ttataggcat gagctactgc agccaacctc 120
tagacctcat gtcagaccat aaaataagtc tcaataaact taaaagaatt caaattatat 180
aaagtatggt ttaactacaa cagtagaaat tcgaaaccaa taacaagaaa atttgggaaa 240
ttcactaata tgtggaaatt tgtaacata ctctacata accagtaggt caaataagga 300
atcacaagag aaattagaaa gtattttgag atgagtgtaa atgaaaatac aatataccaa 360
aacttagagg atgtagctaa agcagcgctt agaggaaaat ttatggatgt aaacacctgt 420
atttaaaaag gagaaaaata tttaaattaaa acataatctt ttaccctagg aaatcagaaa 480
agagctaact tgagccaagg caaacagaag gaaataaaga ctancacaga aataaattaa 540
gtagagaata gaaacacagt aaaaaaaatc agtaaaacca aaagtggatt taaaaaaaaa 600
tcaacaaaat gtacaaacct ttggctaggt taaccaataa aaaaatacag aggactcaaa 660
taactcaact attagaagaa aatattggac taaatcttcc 700
```

<210> 2124
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2124
caaacagaag gaaataaaga ctancacaga aataaattaa gtagagaata gaaacacagt 60
aaaaaaaaatc agtaaaacca aaagtggatt taaaaaaaaa tcaacaaaat gtacaaacct 120
```

```

ttggctaggt taaccaataa aaaaatacag aggactcaaa taactcaact attagaagaa 180
aatattggac taaatcttcc tgaccttacg taggtaatga tctctcatat attacatcaa 240
aggcatacag aatcaaagaa aaatttgata tattggtttt aaatatatat tggacttcat 300
caaaattgta aaattctgat gttttacagg acgctggtga gaaagtgcag acagactcca 360
gaataagtag gtggtggcgg gggagggcag cggatatttg caaatcacat atctgaactt 420
gtatcaagaa tatatagaga actgttacia ctcaacanta aaaagacaac cctattttatt 480
tattttattta tttattttga gacaaagtct cgctcttgtc ccccaggctg gagtgcagtg 540
gcacgatctc agctcactgc aacctccgcc tcccagggtc aagcgattct cctgcctcag 600
cctcccaagt agctgggtatt acaggcgctt gccaccacgc ctgggctaatt tttgtatttt 660
tagtagagat ggggtttcac tatgttggcc aggttggtct 700

```

```

<210> 2125
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2125
gacaaagtct cgctcttgtc ccccaggctg gagtgcagtg gcacgatctc agctcactgc 60
aacctccgcc tcccagggtc aagcgattct cctgcctcag cctcccaagt agctgggtatt 120
acaggcgctt gccaccacgc ctgggctaatt ttgtatttt tagtagagat ggggtttcac 180
tatgttggtt aggttggtct cgaactcctg acctcagggtg atccacctgc ctggggcctcc 240
caaagagctg ggattacagg cgtgagccac catgcctggc caacaactca atttaaaagt 300
gggcaaagaa tttgaataga aatttcctca gaaaagatat acaaatggcc aataaaatata 360
tgaaaagatg ctacagatca ctaatcatta gggaaatgca aatcaaaacc acagtgaatg 420
accacttcct atacagtagg atgggctaaaa taaaaaaaga cagaaaatta ctagtggttg 480
tgaagatgtg gagagattag aaacttcatt cattgctggt ggggttgtaa aatgatgcag 540
ccaccttgga agacagattg gcagctcctc atacagttta acatacagtt accatatgac 600
ccaactatct cattcctggg tacataccca agataaatga aaatatatat ccacacaaaa 660
acttgtacat gaatgtacat agcagaatta ttcataatta 700

```

```

<210> 2126
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2126
aaacttcatt cattgctggt ggggttgtaa aatgatgcag ccaccttgga agacagattg 60
gcagctcctc atacagttta acatacagtt accatatgac ccaactatct cattcctggg 120
tacataccca agataaatga aaatatatat ccacacaaaa acttgtacat gaatgtacat 180
agcagaatta ttcataatta accagagagt agaaacaacc caaatgccc tcaactgacc 240
aataaataaa caaatgtgg tatatccata ctatggaata ttattcagca aaataaaaag 300
gaatgaagtg ctgatgcag ctgtaatatg gatgaaactt agaaaaatta tactaagtga 360
aagaagccag acacaaaagg ccacatattg tttaattcca tttatatgta atatctagaa 420
tagccaaatg catagaaata gatattagac tagtggttgc caagggatgg aaaaggggga 480
tcaggagatg attgctgatg gatacgggct ttctctttga tatgacaaaa atgctctgga 540
attagaggtg atggctgtgt aatttaaaac tacgctttac tttacatgaa ttttatggta 600
tgtgaattat cagtaaagct gttaagaaaa gtaagttcac tcaattttac atttaagaca 660
aaagatcccc aattgtggtg gatggaagaa catcctcact 700

```

```

<210> 2127
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2127
gatacgggct ttctctttga tatgacaaaa atgctctgga attagaggtg atggctgtgt 60
aatttaaaac tacgctttac tttacatgaa ttttatggta tgtgaattat cagtaaagct 120
gttaagaaaa gtaagttcac tcaattttac atttaagaca aaagatcccc aattgtggtg 180
gatggaagaa catcctcact cttcatcaag gccagtacat taaccaaaga acatttgatg 240

```

```

aaggagtcg tcaagttcttg aatttcctga tgaagaaaca actggttggc tagcaaagaa 300
aagctgtact tttagaaattt atctttttgt ttcttagatg gtctactaaa ctatgcttca 360
aacataggat tgtagaaatc tgaatataat agtaattaca agaaatacaa atgcattgaa 420
cttagcaatt agaagagaca tattcactta atgttcgaca aatactcagt gtatattata 480
tgccaggctc tgctgtaaat acatggggca tcagcaagca aactagacaa gaatttccac 540
cctcatggaa ctaatgttct agttaaggga aaaagtccaa taaaatacac tggttaagta 600
tgttttttgt atgttaaaat atattaggtg ctatgaataa aatagagtag tgtgagcaag 660
gctgggggtg ctgggaagtt ggaatttaat gttctcagat 700

```

```

<210> 2128
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2128
acatggggca tcagcaagca aactagacaa gaatttccac cctcatggaa ctaatgttct 60
agttaaggga aaaagtccaa taaaatacac tggttaagta tgttttttgt atgttaaaat 120
atattaggtg ctatgaataa aatagagtag tgtgagcaag gctgggggtg ctgggaagtt 180
ggaatttaat gttctcagat tcaataaaaa atttagctat attatgttta caaaagacac 240
ataaaactcg agaatacaga aagggttgagt gtaaagggaat tatatatatg ctagacaatt 300
agaaaaaagt atgctgatat ggcaatatta gtatcagaca aaatgatctt taaggcaaat 360
gatgttaagg atgctaaact tgcttgggca ttataatata gcatataaat attaaaacaa 420
atacaaaatt acaagggaaga attgataaag ctgtaattat tgtgggatat tttaattgtac 480
ctattcagta aatagagcaa atcaaaaaat aaagcaaata agtaaagcaa atcaaagcac 540
agtaagggtta ttgataaatt gaacaacaca ttccacaagg ttgatacaat gaacacatag 600
agaaccctgc atgttcattt caagtgttta tagaatatct tttaaaaatt cccacatac 660
taggttataa aacaaacctc aggttcccaa aataaggaaac 700

```

```

<210> 2129
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2129
atcaaaaaat aaagcaaata agtaaagcaa atcaaagcac agtaagggtta ttgataaatt 60
gaacaacaca tttcacaagg ttgatacaat gaacacatag agaaccctgc atgttcattt 120
caagtgttta tagaatatct tttaaaaatt cccacatac taggttataa aacaaacctc 180
aggttcccaa aataagggaac tgaacagacc atgttctctg ataatcattc cttgaagtca 240
gaaagtaaca aaagtgactt ttaaaagctc atgtttttaa aattttaaata tacagttaaa 300
tagctaataa aaaagttatg atgtcactat agaaattaga aaatattaga atggaatgaa 360
tataataaaa atatatatca gatcttgagg gatgcattta gattgtcttg gagcaatatt 420
tacagccctt atttattttt ttatttttta ttattattat actttaagtt ttaggggtaca 480
tgtgcacaat gtgcagggtta gttacatatg tatacatgtg ccatgctggt gcgctgcacc 540
cactaactcg tcatctagca ttaggtatat ctcccagtgc tatccctccc ccatccccc 600
acccacaac agtccccaga gtgtgatgtt ccccttctg tgtccatgtg ttgtcattgt 660
tcaattccca cctatgagtg agaatatgag gtgttttggt 700

```

```

<210> 2130
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2130
gttacatatg tatacatgtg ccatgctggt gcgctgcacc cactaactcg tcatctagca 60
ttaggtatat ctcccagtgc tatccctccc ccatccccc accccacaac agtccccaga 120
gtgtgatgtt ccccttctg tgtccatgtg ttgtcattgt tcaattccca cctatgagtg 180
agaatatgag gtgttttggt ttttgttctt gcgatagttt actgagaatg atgatttcca 240
gtttcatcca tgtccctgca aaggacatga actcatcctt ttttatggct gcatagtatt 300
ccatggtgta tatgtgccac attttcttaa tccagtctat cattggtgga catttggtct 360

```

```

ggttccaagt ctttgctatt gtgaataatg ggcgaataaa catacatgtg catgtgtcct 420
tatagcagca tgatttatag tcctttgggt atatacccag taatgggatg gctgggtcaa 480
atgggtatttc tagttctaga tccctgagga atcaccacac tgacttccac aatgggtgaa 540
ctagtttaca gttccaccaa cagtgtaaaa gtgttcctat ttctccacat tctctccagc 600
acctgttggt tcctgacttt ttaatgatcg ccattcctaac tgggtgtgaga tggatatctca 660
ttgtgggtttt gatttgcatt tctctgatgg ccagtgtagg 700

```

<210> 2131

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2131

```

tccctgagga atcaccacac tgacttccac aatgggtgaa ctagtttaca gttccaccaa 60
cagtgtaaaa gtgttcctat ttctccacat tctctccagc acctgttggt tcctgacttt 120
ttaatgatcg ccattcctaac tgggtgtgaga tggatatctca ttgtgggtttt gatttgcatt 180
tctctgatgg ccagtgtagg taagcatttt ttcatatggt ttttggctgc ataatgtct 240
tcttttgaga agtgtctggt catgtccttg cccacttttt gatgggggtt tttgtttttt 300
tcttgtaaat ttgtttgagt tcattgtaga ttctggatat tagccctttg tcagatgagt 360
agggtgcgaa aattttctcc cattttgtag gttgcctggt cactctgatg gtagtctctt 420
ttgctgtgca gaagctcttt agtttaatca gatccatttt gtcaattttg gcttttggtg 480
ccattgcttt tgggtgtttta gacatgaagt ccttgccat gcctatgtcc tgaatggtaa 540
tgccatagggt ttcttctagg gtttttatgg ttttaggtct aacgtttaag tctttaatcc 600
atcttgaatt gatttttata taagggtgaa gcaagggatc cagtttcagc tttctacata 660
tggttagcca gttttcccag caccatttat taaataggga 700

```

<210> 2132

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2132

```

gacatgaagt ccttgccat gacctatgtcc tgaatggtaa tgccatagggt ttcttctagg 60
gtttttatgg ttttaggtct aacgtttaag tctttaatcc atcttgaatt gatttttata 120
taagggtgaa gcaagggatc cagtttcagc tttctacata tggctagcca gttttcccag 180
caccatttat taaataggga atcctttccc cattgcttgt tttctcagg tttgtcaaag 240
atcagatagt ttagatagtg cggcattatt tctgagggt ctgttctggt ccattgggtct 300
atatctctgt tttggtacca gtaccatgct gttttgggtta ctgtagcctt gtagtatagt 360
ttgaagtcag gtagcgtgat gacctcagct ttgttctttt ggcttacgat tgacttggcg 420
atgaggggtc ttttttgggt ccatatgaac tttaaagtag ttttttccaa ttctgtgaag 480
aaagtcattg gtagcttgat ggggatggca ttgaatctgt aaattacctt gggcagtatg 540
gccattttca cgatattgat tcttctacc catgaggatg gaatgttttt ccatttgttt 600
gtatcctctt ttatttcctt gagcagtggt ttgtagttct ccttgaagag gtccttcaca 660
taccttgtaa gttggattcc taggtatttt attctctttg 700

```

<210> 2133

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2133

```

ggggatggga ttgaatctgt aaattacctt gggcagtatg gccattttca cgatattgat 60
tcttctacc catgaggatg gaatgttttt ccatttgttt gtatcctctt ttatttcctt 120
gagcagtggt ttgtagttct ccttgaagag gtcttcaca taccttgtaa gttggattcc 180
taggtatttt attctctttg aagcaattgt gaatgggagt tcaactcatga tttgggtctc 240
tgtttgctg ttgttggtgt ataagaatgc ttgtgatttt tgcacattga ttttgatccc 300
tgagactttg ctgaagttgc ctatcagctt aaggagattt tgggctgaca caatgggggt 360
ttctagatat acaatcatgt catctgcaa cagggacaat ttgacttcct cttttcctaa 420
ttgaataccc tttatttcct tctcctgccc aattgccctg gccagaactt ccaacactat 480

```

```

gttgaatagg agtgggtgaga gagggcatcc ctgtcttgtg ccagttttca aaggggaatgc 540
ttccagtttt tttccattca gtatgatatt ggctgtgggt ttgtcataga tagctcttat 600
tatttcgaaa tacgtcccat ggatacctaa tttattgaga gtttttagca tgaagggttg 660
ttgaattttg tcaaaggcct tttctgcate tattgagata 700

```

```

<210> 2134
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2134
gagggcatcc ctgtcttgtg ccagttttca aaggggaatgc ttccagtttt tttccattca 60
gtatgatatt ggctgtgggt ttgtcataga tagctcttat tatttcgaaa tacgtcccat 120
ggatacctaa tttattgaga gtttttagca tgaagggttg ttgaattttg tcaaaggcct 180
tttctgcate tattgagata atcatgtggt ttttgcatt ggttctgttt atatgctgga 240
ttacatttat tgatttgcgt atattgaacc agccttgcac cccagggatg aagccactt 300
gatcatggtg gataagcttt ttgatgtgct gctggattcg gtttgccagt attttattga 360
agatttttgc atcaatgttc atcaaggata ttggtctaaa attctccttt ttggttgtgt 420
ctctgccccg ctttgggtatc aggatgattc tgggtctata aaatgagtta gggaggattc 480
cctctttttc tattgatttg aatagtttca gaaggaaatgg taccagttcc tccttgtacc 540
tctggtagaa tttggctgta aatccatctg gtccctggact cttcttgggt ggtaagctat 600
tgattattgc cacaatttca gatcctgtta ttggtctatt cagagattca acttcttcc 660
ggtttagtct tgggagagtg tatgtgtcga ggaatttacc 700

```

```

<210> 2135
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2135
aatagtttca gaaggaaatgg taccagttcc tccttgtacc tctggtagaa tttggctgta 60
aatccatctg gtccctggact cttcttgggt ggtaagctat tgattattgc cacaatttca 120
gatcctgtta ttggtctatt cagagattca acttcttcc 660
tatgtgtcga ggaatttacc ctttcttct agattttct gtttatttgc gtagaggtgt 240
ttgtagtatt ctctgatggt agtttgtatt tctgtgggat cagtgggtgat atccccctta 300
tcatttttta ttgtgtctat ttgattcttt tccttttttt tctttattag tccttgcctgc 360
gggtctatcaa ttttgttgat cttttcaaaa aaccagctcc tggattcatt gattttttga 420
aggggttttt gtgtctctat ttccctcagt tctgtcttta ttttagttat ttcttgcctt 480
ctgctagctt ttgaatgtgt ttgctcttgc ttttctagtt cttttaattg tgatgttagg 540
gtgtcagttt tggatctttc ctgctttctc ttgtgggcat ttagtgtctat aaatttccct 600
ctacacactg ctttgaatgc atcccagaga ttctgggtatg ttgtgtcttt gttctcgttg 660
gtttcaaaga acatctttat ttctgccttc atttcatcat 700

```

```

<210> 2136
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2136
ttgctcttgc ttttctagtt cttttaattg tgatgttagg gtgtcagttt tggatctttc 60
ctgctttctc ttgtgggcat ttagtgtctat aaatttccct ctacacactg ctttgaatgc 120
atcccagaga ttctgggtatg ttgtgtcttt gttctcgttg gtttcaaaga acatctttat 180
ttctgccttc atttcatcat gtaccagtag tcattcagga gcaggttgtt ccggttccat 240
gtagttgagc gggtttgagt gacattctta atcctgagtt ctagtgtgat tgcactgtgg 300
tctgagagac agtttgttat aatttctgtt cttttacatt tgctgaggag agctttactt 360
ccaagtatgt ggtcaatttt ggaatagggt tgggtgtggt ctgaaaaaaa tgtacattct 420
gttgatttgg ggtggagagt tctgtagatg tctattaggt ccacttggtg cagagctgag 480
ttcaattcct gggatctctt gttgactttc tgtctcgttg atctgtctaa tgttgacagt 540
ggggtgttaa agtctcccat tattaatgtg tgggagtcta agtctctttg taggtcactc 600

```



```
aggacttgct ttatgaatct ggggtgctcct gtattgggtg catatatatt taggatagtt 660
agctcttctt attgaattga tccctttacc attatttata 700
```

```
<210> 2137
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 2137
gttgactttc tgtctcgttg atctgtctaa tgttgacagt ggggtggtta agtctcccat 60
tattaatgtg tgggagtccta agtctctttg taggtcactc aggacttgct ttatgaatct 120
gggtgctcct gtattgggtg catatatatt taggatagtt agctcttctt attgaattga 180
tccctttacc attatttata gccttaaattg actaaatttg aaaggaagaa agcctggaat 240
taatgagcta agctttgtta aggtaagtga aaattctgta ttgtatttta aggttcaagt 300
gctgaaatca ctttattttt ttaattgcaa aattgggttt ttcttccatt taacctgttg 360
aaccctaatc tgccttattg acctccttgg gtctcttcta ccccttgaat tgtagtgaa 420
ctccagtgc atatatagtg acaaacagga agtatgctga aatctgaggc aataaaatag 480
gtttacaacc tagtgtaatt ctagacagaa ttaatagtg tctggcattt agaatgagaa 540
agtgggtggct gtttctcagt tggaccagcc ttccagatat atattaatag ctgtacatta 600
tcgtttaatt cagaagaaag tagcctggat gttaaagggt tatgtgaaca taatatgaaa 660
aacagcatgt ggaatagaga catagagaat gaaaaagaaa 700
```

```
<210> 2138
<211> 700
<212> DNA
<213> Homo sapiens
```

```
<400> 2138
ctagacagaa ttaatagtg tctggcattt agaatgagaa agtgggtggct gtttctcagt 60
tggaccagcc ttccagatat atattaatag ctgtacatta tcgtttaatt cagaagaaag 120
tagcctggat gttaaagggt tatgtgaaca taatatgaaa aacagcatgt ggaatagaga 180
catagagaat gaaaaagaaa aaaacttcat tggatcataa agcaacaagg ctcaactg 240
gagcattctc tcttctgaga aatctgctct gacatccttc tctctcccc aacctccaa 300
taggtgtatc ttccatttgt tccatagtag cccgtgattc gctccactac agaagttggt 360
tatatttaat tttaattgtc catttacatc tatattgctt ttattaaact gtttccctca 420
gtaagcaaaag actgattttt aaatcatttt tgcattttca agcccaactg tgggtgctgag 480
tacttaattt gatctgtatt gaatgaaatt gaagtatttg aaggaagaaa ggatgaacta 540
atgaattaaa gcaattgatt atattttttt tctctgtggc cctgaggatt agccctagag 600
cacatatgta gaacatgcag acagatatatc ttgggttctg tatgaagata aatcttaact 660
gccatgggct ggcaagatgg ccgaatagga gcagttctgg 700
```

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<210> 2139
<211> 700
<212> DNA
<213> Homo sapiens
```

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<400> 2139
gaatgaaatt gaagtatttg aaggaagaaa ggatgaacta atgaattaaa gcaattgatt 60
atattttttt tctctgtggc cctgaggatt agccctagag cacatatgta gaacatgcag 120
acagatatatc ttgggttctg tatgaagata aatcttaact gccatgggct ggcaagatgg 180
ccgaatagga gcagttctgg tctgcagctc ccagtgcagat caatgcagaa ggcaggtgat 240
ttctgcattt ccaactgaag taccagctc atctcaacc atggaggcg acctgaagca 300
gggtggggtg tctcaccag gaagtgcagg ggttcggtga acttttcca tggcttttc 360
aaccataga ccaggagatt ccctcgggtg cctacaaacc agggccccg gtttcaagca 420
caaaactggg tgaccatttg ggcagacacc gagataactg caggagtttt ttttcatacc 480
ctagtggcac ctggaacacc agcaagacag aacggttcac taccctggaa agggggctga 540
agccaggag ccaagtggtc tagctcagtg gatccaccc ccatgaagcc cagtaagcta 600
agatccactg gcttgaaatt cttgctgcca gcacagcagt ctgaagtga ccaggaatgc 660
tcaagcttgg gtggggggcg gatggggggg tgaggggggt 700
```

<210> 2140
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2140
 agcaagacag aacggttcac taccctggaa agggggctga agccaggag ccaagtggtc 60
 tagctcagtg gatccacccc ccatgaagcc cagtaagcta agatccactg gcttgaaatt 120
 cttgctgcca gcacagcagt ctgaagttga ccaggaatgc tcaagcttgg gtggggggcg 180
 gatggggggg tgaggggggt ggggcattgc cattactgag gcttgagtag gcaggtttcc 240
 cctcacagtg taaacaaagc tgcctggaag ttcaaactgg gcggagccca ccacagctcc 300
 acaaagcctc tgtagacaga ctgcctctct agattcctag tctctggaca gggcatctct 360
 gaaagaaagg cagcagcccc agtcaggggc ttatagataa aactcccatc tccttgggac 420
 agagcacttg gggtaagggg cagctgtggg tgcagcttca acagacttaa acattgctgc 480
 ctgctggttc tgaagagagc agtggatctc ccagcacagc catagagctc tgctaaggga 540
 tagactgcat cctcaagtgg gtccccaac cccatgcttc ctgactggga gacacctccc 600
 agtaagggtc aacagacacc tcatacaggg gagctccgcc tggcctctgg cgggtgcccc 660
 tcagggacga agcttccaga ggaaggaaca tgcagcattc 700

<210> 2141
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2141
 agtggatctc ccagcacagc catagagctc tgctaaggga tagactgcat cctcaagtgg 60
 gtccccaac cccatgcttc ctgactggga gacacctccc agtaagggtc aacagacacc 120
 tcatacaggg gagctccgcc tggcctctgg cgggtgcccc tcagggacga agcttccaga 180
 ggaaggaaca tgcagcattc tctgtagcct ctgctggtga taccaggca aacagggtct 240
 ggagtggact tccagcaaac tacaacagac ctgcagcaga gggacctgag tgtagaagg 300
 aaaactaaca aacagaaaga aatgacgtca acatcaacac aaaggacgtc cacacagaaa 360
 ccccatccaa aggtcaccaa catcaaagac caaggtagat aaatccatga agatgaggaa 420
 taccagcgca aaaaggctga aaattccaaa atccagaatg tctcttctcc tccagaggat 480
 cacaactcct caccagcaag ggaactaaac tggatggaga atgagtttga caaattgaca 540
 aaagtaggct tcagaagggtg ggtaataaca aattcctctg agctaaagga gcaagttcta 600
 acccaatgca aagaaactaa gaaccttgaa aaaaagggtta gaggaattgc taactagaat 660
 aaccagttta gaaaaaagca taaatgacct gatggagctg 700

<210> 2142
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2142
 ggaactaaac tggatggaga atgagtttga caaattgaca aaagtaggct tcagaagggtg 60
 ggtaataaca aattcctctg agctaaagga gcaagttcta acccaatgca aagaaactaa 120
 gaaccttgaa aaaaagggtta gaggaattgc taactagaat aaccagttta gaaaaaagca 180
 taaatgacct gatggagctg aagaacacag cacaagaact tcacgaagca tacacaattt 240
 caatagctga atcgatcaag cagaagaaag gatattagag attgaagatc aacttagtga 300
 aataaattgt gaagacaaga ttagagaaaa aagaatgaaa agaaatgaac aaagcctcca 360
 ggaaatatgg aactatgtga aaagaccaa cctacgtttg attggtgtat ctgaaagtga 420
 gggggaaatt ggaaccaagt tggaaaacac tcctcaggat attatccagg agaacttccc 480
 caacctagca agacaggtca acattaaaat tcaggaaata cagagaacac cacaagata 540
 ctctcaaga atagcaaccc caagacacat aatcatcaga ttcaccaaag ttgaaatgaa 600
 ggaaaaaatg ttaagtgcag ccagagagaa aggtcgggtt acccaciaag ggaagcccat 660
 cagactaaca gtggatctct gcagaaactc tacaagtcag 700

<210> 2143
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 2143

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acattaaaaat tcaggaaata cagagaacac cacaaagata ctcctcaaga atagcaaccc 60
caagacacat aatcatcaga ttcaccaaag ttgaaatgaa ggaaaaaatg ttaagtgcag 120
ccagagagaa aggtcgggtt acccaciaag ggaagcccat cagactaaca gtggatctct 180
gcagaaactc tacaagtcag aagagagtgg ggccaatatt catcattctt aaagaaaata 240
atthttcaagc cagaattttta tatccagcca aactaagctt tataagtgaa ggagaaataa 300
aatcctttcc agacaagcaa atgctgagag atthttgtcac caccaggcct gccttataag 360
agctcctgaa ggaagcacta aatatggaaa ggaaaaactg gtacaagcca ctgcaaaaac 420
ataccaaat gttaaagacca tcaacactat gaagaaactg catcaactaa tgggcaaaat 480
aaccagctag catcataatg acaggatcaa attcacacat aacattatta accttaaatg 540
taaatgggct aaatgcccc aataaaagac acagactggc aaattggata aagagtcaag 600
acccatctgt gtgcaatatt caagagaccc atctcacgtg aaaagacata cataggctca 660
aaataaggag atggaagaat atttatcagg caaatggaaa 700
```

<210> 2144
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2144

```
acaggatcaa attcacacat aacattatta accttaaatg taaatgggct aaatgcccc 60
aataaaagac acagactggc aaattggata aagagtcaag acccatctgt gtgcaatatt 120
caagagaccc atctcacgtg aaaagacata cataggctca aaataaggag atggaagaat 180
atthtatcagg caaatggaaa gcaaaaagaa gcagggggtg cagtcctagt ctccaataaa 240
agagacttta agccaacaca gatcaaaaaa gacaaagagg ggcattacat aacggtaaag 300
ggatcaatgc aacaagaaga gctaactatc ctaaatgttt atgcaccaa tacagggcac 360
ctagactcat aaagcaagtt cccagtgaac tacaagaga cttagacccc cacataataa 420
tagtgggaag actttaacac cccactgtca atattagaca gattaatgag acagaaaatt 480
aacaagcata ttcaggactt gaactcagct ctggacaaag tggacctaat agacatctat 540
ggaactctcc accccaaatc cacagaatat acattcttct cagcaccacg tcacacttat 600
tctaaaattg accacataat tgggaagtaa acactcctca gcaaatgcaa aagaacagaa 660
ataataacaa acagtttctc agaccacggt acaatcaaat 700
```

<210> 2145
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2145

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gaactcagct ctggacaaaag tggacctaat agacatctat ggaactctcc accccaaatc 60
cacagaatat acattcttct cagcaccacg tcacacttat tctaaaattg accacataat 120
tgggaagtaa acactcctca gcaaatgcaa aagaacagaa ataataacaa acagtttctc 180
agaccacggt acaatcaaat tagaacttag gattaagaaa ctcacccaaa actgcacaac 240
tacatggaaa ctgaacaacc tgctactgaa tgactactag gtaaataatg aaattaagag 300
agaaataaat tctttgaaac caatgagaag aaagacacaa tgtgccagaa tctctgggac 360
acagctaaag tagtgtttag aggaaaattt atagcactaa atgcccacag gagaaagtgg 420
aaaagatcta aaattgacac cctaacatca caatgaaaag aactagagaa gcaagagcaa 480
acaaattcaa agctagcag aagacaagaa ataactaaga tcagagcaga attgaaggag 540
atacaggcac aaaaaaccct ccagaaaatc aaaaatcagt aatccaggag ctgggttttt 600
gaaaagaata aaaaaataga ctgctaaca gactgataaa gaagaaaaga gagaagaatt 660
gaatagacac aataaaaaat gataaagggg gtattccac 700
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<210> 2146
 <211> 700
 <212> DNA
 <213> Homo sapiens

```

<400> 2146
aagacaagaa ataactaaga tcagagcaga attgaaggag atacaggcac aaaaaaccct 60
ccagaaaatc aaaatcagtg aatccaggag ctgggttttt gaaaagaata acaaaataga 120
ctgctaacca gactgataaa gaagaaaaga gagaagaatt gaatagacac aataaaaaat 180
gataaagggg gtattcccac tgatcccaca gaaatacaaa ctaccttcag agaatactat 240
aaacacctct atgaaaataa actagaaaat ctagaagaaa tggataaatt cctggacaca 300
tacaccctcc caagactaaa ccaggaagaa gttgaatctc tgaatagacc aatgacaagt 360
tctgaaattg aggagtaaat taatagcctg ccaacccaaa aaagcccagg accagatgga 420
ttcacagccg aattctacca gaggtacgaa gaggagctgg taccattcct tctgagacta 480
ttccaaacaa tagaaaagga gggaatcctc cctaactcat tttatgaggc cagcatcatc 540
ctgataccaa aacctggcag agacacaaca aaaaatgaaa atttcaggcc aatatccctg 600
atgaacattg atgcgaaaac cctcaataaa ataatggcaa accgaatcca gcagcacagc 660
aaaaagctta tccaccacaa tcaggttggc tttatttctg 700

```

```

<210> 2147
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2147
gggaatcctc cctaactcat tttatgaggc cagcatcatc ctgataccaa aacctggcag 60
agacacaaca aaaaatgaaa atttcaggcc aatatccctg atgaacattg atgcgaaaac 120
cctcaataaa ataatggcaa accgaatcca gcagcacagc aaaaagctta tccaccacaa 180
tcaggttggc tttatttctg ggatgcaagg ctgggtcaat atatgcaaat caataaacat 240
aatccatcac ataaacagaa ccaatgacaa aaaccacatg attatctcaa tagatgcaga 300
aaaggccttt gacaaaattc aacacccctt catgctaaaa gctctcaata aactaggtat 360
tgatggaaca catctcaaaa taataagagc tttttttgac aaaccacag ccaatatcat 420
actcaatggg caaaagctgg aagcattcct tttgaaaacc gacacaagac aaggatgcc 480
tctctacca ctcctattca acgtagtatt ggaagtctg gccagggcaa tcaggcaaga 540
aaaagaaata acgggtattc agataggaaa agagggaagtc aaattgtctc tctttgtaga 600
tgacatgatt gtatatttag aaaaccccat catctcggct gggcacagtg gctcacgcct 660
gtaaccccag cactttggga ggctgaggcg ggtggatcac 700

```

```

<210> 2148
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2148
acgtagtatt ggaagtctg gccagggcaa tcaggcaaga aaaagaaata acgggtattc 60
agataggaaa agaggagtc aaattgtctc tctttgtaga tgacatgatt gtatatttag 120
aaaaccccat catctcggct gggcacagtg gctcacgcct gtaaccccag cactttggga 180
ggctgaggcg ggtggatcac aaggtcagga gatcgagacc atcctggcta acacagtga 240
acctgtgtc tactaaaaat acaaaaaaaa aaaaaaatta gccagggtgt gtggtgggca 300
cctgtagtcc cagctacatg ggaggctgat gcaggagaat ggtgaaaacc caggaggtgg 360
agcttgacgc gagcctagat tgtgccactg cactccagcc tgggctacag agagaggctc 420
catctcaaaa aaaaaaaaaa caaaaaccaa aaaaaaaaaa acccatcgct tcagcccaaa 480
atctccttaa gctgacaagc aacttcggca aaggctcagg atacaaaacc aatgtgcaaa 540
aatcacaggc attcctatac accaataata cacaacagc caaatcatgc atgaacatcc 600
atgcacaatt gccacaaaga gaataaaata catgggaata aaatttaciaa gggatgtgaa 660
ggacctcttc aaggagaact acaaaccact gcccaaggaa 700

```

```

<210> 2149
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2149
aacttcggca aaggctcagg atacaaaacc aatgtgcaaa aatcacaggc attcctatac 60

```

```

accaataata cacaacacagc caaatcatgc atgaacatcc atgcacaatt gccacaaaga 120
gaataaaaata catgggaata aaattttacaa gggatgtgaa ggacctcttc aaggagaact 180
acaaaccact gcccaaggaa ataagagagg acacaaacaa atggaaagac attccatgct 240
catgaatagg aagaatcaat atcgtgaaaa tggccatact gcccacaaata atttatagat 300
ccagtgtctat ccccatcaag ctaccattga ctttcttcac agaattagaa aaaactactt 360
taaatttcat atggaaccaa aaaagaacct gtatagccaa gacaatccta agcaaaaaga 420
acaaagctgg aggcacatgc gtacctgact tcaaaactata ctataaggct acagtaagca 480
aaacagcatg gcagtcgtac caaaacagat atatagacca gtggaataga acagaggcct 540
cagaaatagc accacacatc tacaaccatc tgatctttga caaacctgac aaaaacaagc 600
aatgggggaa ggattcccta tttaaaaatg gtgttgggaa aactggctaa ccatatgcag 660
aaaactgaaa ctggacctct tctttacacc ttatacaaaa 700

```

<210> 2150

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2150

```

caaaacagat atatagacca gtggaataga acagaggcct cagaaatagc accacacatc 60
tacaaccatc tgatctttga caaacctgac aaaaacaagc aatgggggaa ggattcccta 120
tttaaaaatg gtgttgggaa aactggctaa ccatatgcag aaaactgaaa ctggacctct 180
tctttacacc ttatacaaaa attaactcaa gatggattac agacttaaat gttagacctt 240
aaaccataaa aaccctagaa gaaaacctag acaatgccat tcaggacata ggcattgggca 300
aagacttcat gactaaaaca ccaaaagcaa tggcaacaaa agccaaaata gacaaatggg 360
atctaattaa actaaagagc ttctgcacag caaaagaaac tatcatcaga gtgaacaggc 420
aacctacaga atggggagaaa atttttgtaa tctttccatc tgacaaaagg ctaatatcca 480
gaatctacaa gggactcaaa caaatttaca agaaaaaac aaccccatca aaaagtgggc 540
aaaggatatg aacagatgct tctcaaagga agacttttat gcagccaaca aatatatgaa 600
aaaaagctca ttatcactag tcattagtga aatgaaaatc aaaaccacaa cgagatacca 660
tctcatgcca gttagaatgg caatcattaa aaagtcagga 700

```

<210> 2151

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2151

```

caaatttaca agaaaaaaaa aaccccatca aaaagtgggc aaaggatatg aacagatgct 60
tctcaaagga agacttttat gcagccaaca aatatatgaa aaaaagctca ttatcactag 120
tcattagtga aatgaaaatc aaaaccacaa cgagatacca tctcatgcca gttagaatgg 180
caatcattaa aaagttagga aacaacagat cctggagagg atgtggagaa gtaggaatgc 240
ttttacactg ttggtgggag tgtaaatag tccaaccatt gtggaagaca gtgtgggtgat 300
tcctcaaaaa tctagaacct gaactaccat ttgaccacgc aatcccatta ctgggtatat 360
acccaaagga ttataaatca ttctactata aagacacttg cacatgtatc ttattgcag 420
cactattcac aataacaaag acttgggaacc agcccaaatc aaatgtccat caatgataga 480
ctggataaag aaaatgtggc acatatacac catggaatac tatgcagcca taaaaaagga 540
ttagttcatg tcctttgctg ggacatggat gaagctggaa accagcattc tcagcaaact 600
aacacaggaa cagaaaatcg aacaccgcat gttctcactc ataagtagga gttgaacaat 660
gagaacacat ggacacaggg agaggaactt ctcacactgg 700

```

<210> 2152

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2152

```

acatatacac catggaatac tatgcagcca taaaaaagga ttagttcatg tcctttgctg 60
ggacatggat gaagctggaa accagcattc tcagcaaact aacacaggaa cagaaaatcg 120
aacaccgcat gttctcactc ataagtagga gttgaacaat gagaacacat ggacacaggg 180

```

```

agaggaactt ctcacactgg ggccagtcag ggggtggggga ctagggggagg gatagcatta 240
ggagaaatac ctaaggtaga tgttgggttg atgggtgcag caaaccacca tggcacatat 300
atacctatgt agcaaaccta cacattctac acatgtatcc cagaacttaa aatatatata 360
tataaatatc ttaactgcca aaaagtggaa ggaactgctt gacaggtagt acactccatt 420
tctatccaag gagatgttct ggcataaagt agacaaccaa caaatgggga tactacagag 480
tcacctcatt tttattgaat tcagtaaact tattaacatc tgttacatac taggatgctg 540
tactaagcaa aaaagtgaaa catatatggc gtgtgtccag aatatcttat ggtctatattg 600
gggatgggtg tggtagacta gatatttaaa cagacatctt cagttgattg tgtggcaagt 660
cataaaatgg atgttcagag tactgtgaga gctcagggaa 700

```

```

<210> 2153
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2153
tcagtaaact tattaacatc tgttacatac taggatgctg tactaagcaa aaaagtgaaa 60
catatatggc gtgtgtccag aatatcttat ggtctatattg gggatgggtg tggtagacta 120
gatatttaaa cagacatctt cagttgattg tgtggcaagt cataaaatgg atgttcagag 180
tactgtgaga gctcagggaa atgtactcaa atgctggatt tataatttta taactactgt 240
agctgaccaa agggcaactt ctaatttgac tgcaatatgt tttcttttag ttataccatc 300
ataaaaaact gtttttagata atcttgggaa gattttacac tcttctcttt tccttttttt 360
tttttttttt gagacagtct tgctctgtca ccccggttg agtgcagtag catgatttcg 420
gctcactgca acctcctcct cctgggttca agtgattctc ctgcccagc ctctgagta 480
gctgggatta caagcatccg ccacatgcc ctgctaattt tgtattttta gtagggacag 540
ggtttcacca tgatggctag gctgggtctg aactcttgat gtcaggatgat ctgcctgcct 600
cagcctccca aaatgctggg attacaggtg tgagccacca tgaccggctg atttcacact 660
cttagacttt gctgcgctaa ctcatgttag gaaaatcttt 700

```

```

<210> 2154
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 2154
ccacatgcc ctgctaattt tgtattttta gtagggacag ggtttcacca tgatggctag 60
gctgggtctg aactcttgat gtcaggatgat ctgcctgcct cagcctccca aaatgctggg 120
attacaggtg tgagccacca tgaccggctg atttcacact cttagacttt gctgcgctaa 180
ctcatgttag gaaaatcttt cttctgttga cactattgcc agggctcctgt ctttgacttt 240
ggctagcatg ggagaatcct tcatgactgc tgtaaaaaat aagctttgta aattccttca 300
attatttggg aagagccttg gactaggagt tagacgtcta ggctccaatt ctgatctgcc 360
cctctttttt tatatgacct tgacctaaagt tccttgatta ctttggggat cagttttctt 420
atctgaagaa tgggaaacca aaacattggc tggacttttc tcttgggtat tgtgaaggca 480
gatgagatga tgatacctgt cgaaattatc aggggaaggta taagtatatc gggactctag 540
tgtacatatt aactatgggc agcgggtgtaa aacataacat tgtcatgaaa acatgttagg 600
aagcagatgt gatcgcatga atgtgaattg tgagtgaag gtaggacaac tgtctntctg 660
tctgtgctag agaccttggg actagtgggt gatgaaagg 700

```

```

<210> 2155
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2155
cgaaattatc agggaaggta taagttatct gggactctag tgtacathtt aactatgggc 60
agcgggtgtaa aacataacat tgtcatgaaa acatgttagg aagcagatgt gatcgcatga 120
atgtgaattg tgagtgaagag gtaggacaac tgtctntctg tctgtgctag agaccttggg 180
actagtgggt gatgaaagggt gggatgggtt ttctccaccc taatctttat ttctctttcg 240
attctaattc tggacagtgt tcaaattcta cacggtttng tgacagtagt ttgaaaaagg 300
gatttgtaga gcttctctaa gcgacctccc tgattgctag ccatttccta ccctctcttc 360
tttccaatgt ccagactcct ctcaaaaaca agcctagtgt aatctgcca ctttaagaag 420
ttgttagagg aagaaagggc aggaaagcct ggatacaagg catcaaagac caagaaggag 480
acattgagta gtgtccttga ggactctctg gaccgtctgg aaaactggga ggtctatgag 540
ggcctctgct gtggagaggg tatcaaactc attgctgtgc tctaaatgtt tgtgtccccc 600
tggaattcat atgtcaaaat cataacctgc aagggtgatag tattagaagg tgaggctctt 660
tgggaggcga ttagtgccct tgtcaaagag acccaagaga 700
```

<210> 2156
 <211> 700
 <212> DNA
 <213> Homo sapiens

```
<400> 2156
ggactctctg gaccgtctgg aaaactggga ggtctatgag ggcctctgct gtggagaggg 60
tatcaaactc attgctgtgc tctaaatgtt tgtgtccccc tggaattcat atgtcaaaat 120
cataacctgc aagggtgatag tattagaagg tgaggctctt tgggaggcga ttagtgccct 180
tgtcaaagag acccaagaga gcttctgac cctccctact atgtgagAAC acagctagaa 240
ggctccatat gtgaaccaga aagcaggctc ttaccagaca gtgaatctgc tgggtgcctt 300
catcttggac ttcgagcctc caaaactgtg aaaaataaat ttctcttgtt tataagtcac 360
tcagtcaaag gtatttttgt agagcagccc ggctagacaa agacacctgt aaaaatggga 420
aaggagggtg atgggggtga aagggtctgc tagggctcct gagagacctt cagatccctt 480
gataatatga atgcttggga ccttggcttt gaagggccag atttggttga gaaagtattc 540
cagtcctcaa acctggccct taaatgcacc tctgggtctc tctcagtgtt acagttatat 600
tgaacactta tttttattga tggctaatta ggtgctaggc attaagacca ttatttatat 660
tactttttga taatttttta ttaaattggc atagaaaaaa 700
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<210> 2157
 <211> 700
 <212> DNA
 <213> Homo sapiens

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<400> 2157
ccttggcttt gaagggccag atttggttga gaaagtattc cagtcctcaa acctggccct 60
taaatgcacc tctgggtctc tctcagtgtt acagttatat tgaacactta tttttattga 120
tggctaatta ggtgctaggc attaagacca ttatttatat tactttttga taatttttta 180
ttaaatggct atagaaaaaa attaagtatt ttctcagtct ttcatcatat ctgaattatt 240
gcactcactt tgattaattc atgggacatt ttcttaatag tttgttagtt tattgccttt 300
ggaaagttcc tttttcctgt attttggcat gatttagcatt aatgttttgt actcacttgt 360
ttctggttca gtactagtga tacatgtgga aaaatgaatt aatatatgcc ccttcttttg 420
tagagtgtag tctattaaag gaaaatttaa aatgtaaata agtgatttta atatggtagt 480
ggtatgtgca aagtctgggt gcaacacaga agacgcaatt aactctgctt taggacagag 540
aggattgaga gttcacaagg aaaggactct tgaattagaa tttcatgtag acagtggtag 600
taagagaagt tttaggctga tgctgtttca tgtgcaaata tacagtaaaa aaattacact 660
gtatttttag aacagcaata attttttcta ttagaagaac 700
```

<210> 2158
 <211> 700
 <212> DNA

<213> Homo sapiens

<400> 2158

```

gcaacacaga agacgcaatt aactctgctt taggacagag aggattgaga gttcacaagg 60
aaaggactct tgaattagaa tttcatgtag acagtggtag taagagaagt tttaggctga 120
tgctgtttca tgtgcaaata tacagtaaaa aaattacact gtattttgag aacagcaata 180
atatttttcta ttagaagaac ataaaatttg aaaaaggaaa ctatggtgtt caagatgtta 240
atatatgcag gcttgtatta tggaggggtca ggtggatcat gacatagaac ttggattttg 300
ctttgttagg cagttctcaa acttaattgt gcataggaat cacctgaaaa tcttggaaaa 360
gtacagatct tgattcagta agttagagta cagcctgaga gtctgtattt ctaacaatct 420
ccctgctaca ctgggagtag caaggatgta cagaatagaa agcactgtaa ggttcaatca 480
ggggagtgtg ccagttacct tggacatgat agaaagatga ctggaagaga aacgctgttt 540
ctttccagcc ccatagaaat tgaattgtta ccgttgtaca agtctgtgtt aagggtggct 600
tccctcatag agcttgcaga tgtgaggagg aatgttcctg agagataaga agctgttgaa 660
tggtttatgt ttgtcatttg tgccaaccaa gaaaaggact 700

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<210> 2159

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2159

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tggacatgat agaaagatga ctggaagaga aacgctgttt ctttccagcc ccatagaaat 60
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tgtgaggagg aatgttcctg agagataaga agctgttgaa tggtttatgt ttgtcatttg 180
tgccaaccaa gaaaaggact tttgtttcag ttctgagggg tgaaggaggt gggcataagg 240
agtggggcag gtgcctacag ccagaggaga ctggtactta agcgagagcc tgttgctctg 300
tgctcccccag gcaccacaga agcagcagag gcttttctgt aggtactacc atggcaagag 360
ggctccacag cttctcatca ctcaattgga agaggatgat gagtgggaca tcatcaggta 420
ttataatgtc atgtctgagg aggaaatcaa aaggatgaag gagattgtga agcccaaagt 480
aagtttctca gttggttctc accacatttt ccctctgcca cttcctgaga cctaccttgc 540
tgtcattatt ttagagaaac ttaaggaaaa agctggtagc agagttgcaa gcagatttat 600
tttttaatga cctggtcctc cagaagaaat aaatatcatt atgtattatt tggtagctca 660
gatgagaatt ttaaaaatct ctttaaattt tattaatttt 700

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<210> 2160

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2160

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accacatttt ccctctgcca cttcctgaga cctaccttgc tgtcattatt ttagagaaac 60
ttaaggaaaa agctggtagc agagttgcaa gcagatttat tttttaatga cctggtcctc 120
cagaagaaat aaatatcatt atgtattatt tggtagctca gatgagaatt ttaaaaatct 180
ctttaaattt tattaatttt caacatttta tcttagtttt aaagattgca tatggctttt 240
tagggtttgt tgcctttttc tttttaattg acataattgt atatatatat ggggtacagt 300
gtgatatttt gatatgtata tacaatgtgt aatgattaaa tcacggtaat tagcatatct 360
atcacctcaa acatttatct gtgtgtgtgt gaacattcaa aatcttctct tctagatatg 420
tgaaaaataa aaattaattg ttaattatat ttaccctaca gtgctataga acactagagc 480
ttattcctcc tatctagctt ttacatttgt atctattaac caacctttgg ctatcccacc 540
ctttctctta tacttccctg cctctagtaa ccactattct attctcttct atgaaatcaa 600
tttttttttag cttcaatatg taagtgtgac catgtgctat ttatctttct ctgcctggct 660
taatttccct taacataatg tccctcagge tcatccatgt 700

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<210> 2161

<211> 700

<212> DNA

<213> Homo sapiens


```

<400> 2161
ttacatttgt atctattaac caacctttgg ctatcccacc ctttctctta tacttccctg 60
cctctagtaa ccactattct attctcttct atgaaatcaa ttttttttag cttcaatatg 120
taagtgagac catgtgctat ttatctttct ctgctgggt taatttccct taacataatg 180
tcctccaggc tcatccatgt tgcgtgaaat gagagaattt cattcttttt gtggttaaat 240
aatatttcat atatatatac cagattctct ttatccattc atgttaatgg acacttacgt 300
tgattccata ccttggctat tgtgaagagt gctacaataa acatgggatt gcagatatatt 360
ctttgacata ctaatttctt tcccttttgg tatgtaccta gcggtaggat tgctggaaca 420
taaagtagtt ctatttttagt ttttttgaga acctccataa tgttttctat aatggcttta 480
ttaatttaca ttctaccacaa cagtgtataa gagttcactt ttctccacag ccttgccagc 540
atttgttatt ttttgtcttt tttaaaatag gtgtgagaaa atatcttatt gtggttttgg 600
tttgcatatt cctgatgatt agtgatgttg agcatttttt catataacct ttggccattt 660
ctatgtcttc ttttaagatg tctgttcagc ttatttgctt 700

```

```

<210> 2162
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2162
cagtgtataa gagttcactt ttctccacag ccttgccagc atttgttatt ttttgtcttt 60
tttaaaatag gtgtgagaaa atatcttatt gtggttttgg tttgcatatt cctgatgatt 120
agtgatgttg agcatttttt catataacct ttggccattt ctatgtcttc ttttaagatg 180
tctgttcagc ttatttgctt attttttaat cggattatta ttattttttg ctattgagtt 240
gtttgagttc tttgcatatt ctggctatca attccttgtc agatgaatag tttgcaaata 300
tttctctcca ttctgcagggt tgtctcttca ctctgttgat tgtttccttt gctgtggaga 360
agggtttttt gtttgatata atctcatttg tttatttttg cttttgttgc ctgtgcacaa 420
aagagatcct tgccataaaa atctttgccc aaaggatatg aacagacact tctcaaaaga 480
agacatttat gcagccaaca gacatatgaa aaaatactca tcatcactgg tcatcagaga 540
aatacaaatc aaaatcacag tgagatacca tctcacgcca gttagaatgg caatcattaa 600
aatgtcagga aacaacagat gctggagagg atgtggagaa ataggaacgc ttttacactg 660
ttggtgggag tgtatattag tccaaccatt gtggaagaga 700

```

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<210> 2163
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2163
gacatatgaa aaaatactca tcatcactgg tcatcagaga aatacaaatc aaaatcacag 60
tgagatacca tctcacgcca gttagaatgg caatcattaa aatgtcagga aacaacagat 120
gctggagagg atgtggagaa ataggaacgc ttttacactg ttggtgggag tgtatattag 180
tccaaccatt gtggaagaga gtgtggcgat tcctcaagga tctagaagaa ataccatttg 240
accagccat ccattactt gggatatata ccaaaggact ataaatcatg ctactataaa 300
gacacatgca cacatatgtt tattgcggtg ctattcacia tagcaaagac ttggaactaa 360
cccaaatgtc catcaatgat agactggatt aagaaaatgt ggcacatata caccatggaa 420
tactatgcag ccataaaaaa gggatgagtt catgtccttt gtagggacat ggatgaagct 480
ggaaaccatc attctcagca aactatcgca aggacagaaa atcaaacact gcatgttctc 540
actcataggt gggagttgaa caatgagaac acatagacac agggagagga acatcacact 600
ctggggccta tcatggggtg gggggctggg ggagggatag cattagtagg agaaatacct 660
aatgtaaatg atgagttgat ggggtgcagca aacaaacatg 700

```

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<210> 2164
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2164
aactatcgca aggacagaaa atcaaacact gcatgttctc actcataggt gggagttgaa 60

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caatgagaac acatagacac agggagagga acatcacact ctggggccta tcatggggtg 120
gggggctggg ggagggatag cattagtagg agaaatacct aatgtaaatg atgagttgat 180
gggtgcagca aacaaacatg gcacatgtat acctatgtaa caaacctgca tgttgtgcac 240
atgtacccta gaacttaaag tataataaaa aaagaataaa aatataaata aaagtaagtc 300
ttggtgaaaa aaacaaaaca aaacaaaaaa aactttgccc agaccaaatg tctagaagtg 360
tttccccaat attttcttct cgtagtttca taatttgagg tcttacatta aagtagttca 420
ttcattttga gttgatcttt gcatgtggtg aaagagaggg gtctagtttc gttattctgc 480
atgtggatat tctgttttcc cagtaccatt tatttaagag gctattcctt cccagtact 540
gttttgcat ctttgttgaa aatcagttgg ctgtaaatat atgaatttat ttctaggttc 600
ttgttgctgt tctattttta tgctagtacc atgctgggtt tgtttagctt cttgaatctg 660
taatgtttat gtcttttacc aaatttgtga aaattttggt 700

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<210> 2165

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2165

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cagtaccatt tatttaagag gctattcctt cccagtact gttttggcat ctttgttgaa 60
aatcagttgg ctgtaaatat atgaatttat ttctaggttc ttgttgctgt tctattttta 120
tgctagtacc atgctgggtt tgtttagctt cttgaatctg taatgtttat gtcttttacc 180
aaatttgtga aaatttgggt cattctttct ctagttagtt tttctaccac attcttgttt 240
ttctttttct gggattcctc ttacacatat gtaagacctt tcattgttgt ctgatagttc 300
cctgaggctc tgttaatttg tttctctctt ctctcttctt cagattatat aatatccatt 360
gtctactgct aatctcaatg attcttccct ctgtcatctc tattttcatg ttaaccccat 420
ctattaaagt tttaaattca gatactgtat ttttcagttc tataattttt agttaattct 480
ttattgttgt ttctgttctt tttctgaaac ttgtcttctt ttcactaact atgagtatta 540
tttttcttta cgtcattgaa cgtggctcta attaaccact ctgaaatcct tgtctgtgaa 600
ttccaacatc tgtttcatct ttgggttgat ctctgtgtct tttctcttgg aaatagggtca 660
catgtttctg gtccctcaca tgtcaagcaa ctttctattg 700

```

<210> 2166

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2166

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tttctgaaac ttgtcttctt ttcactaact atgagtatta tttttcttta cgtcattgaa 60
cgtggctcta attaaccact ctgaaatcct tgtctgtgaa ttccaacatc tgtttcatct 120
ttgggttgat ctctgtgtct tttctcttgg aaatagggtca catgtttctg gtccctcaca 180
tgtcaagcaa ctttctattg tatcctgggt gctactgagg gaactccaga ttctgttata 240
ttcctttgaa gaatgttgct ttgaactcct gacctcaagt gatccacca ccttggtctc 300
ccaaagtggg ggaattacag acatgagcca ccatgcctgg ccggaagaat gttgttggtg 360
ttaattacca agcaattaac ttgggtggac acaaactgca aactgttttt tgtgcagtat 420
atttctttta ttctggctg ggctacttgc agtataacct acatatgtgt tgtttagcag 480
tctgccggag atttgggcag agtttacaca cagatggagt gtctccatgc tctctttttt 540
actgggattt cctttttact tttcagaatt tgtgcttgct ccagactctg taatctgata 600
ttttagggtta agaaaactgg gttttctatc aaaatttttag cagctgtata tgccatcaac 660
tatgggtatgt cctgaggcta atagtcattt taaaaacagg 700

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<210> 2167

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2167

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agtttacaca cagatggagt gtctccatgc tctctttttt actgggattt cctttttact 60
tttcagaatt tgtgcttgct ccagactctg taatctgata ttttaggtta agaaaactgg 120
gttttctatc aaaatttttag cagctgtata tgccatcaac tatgggtatgt cctgaggcta 180

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```

atagtcattt taaaaacagg aaatcacccct gtactgttct cttcattcaa ggggtcaactt 240
ccaccattta tctgcctgct tttgtttact ctccattgac ttctactaat tgtattttgt 300
attttatcca gagtttatag ttgttatctg tgtgtgggtc actgtgatag aaaaatattc 360
aaccatattt ttcacatctt ttatttttaa taaaaataat ttactcatag taatttttta 420
ttcttatgat tgatatattt ggtttcaatt tgatgtatta ttccagggtta attttctgta 480
tttattattt tatattttcc tgttttacta ggatatatct tgggaattggc cattctaggt 540
taactccatt ctttgatttt tcttctttca aggattccaa ttatacctat gttgctcttc 600
tttgcgattc ttttatattt atcactattt ctggccctgt ttacctctgt gttcattttt 660
gcttcatttt cttgactttt ctcactcttc tctgtattgt 700

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<210> 2168

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2168

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tgttttacta ggatatatct tgggaattggc cattctaggt taactccatt ctttgatttt 60
tcttctttca aggattccaa ttatacctat gttgctcttc tttgcgattc ttttatattt 120
atcactattt ctggccctgt ttacctctgt gttcattttt gcttcatttt cttgactttt 180
ctcatcttcc tctgtattgt ttagtacagt tttgggcata tctctttctt tcttaggcac 240
attataattt agtatttggt tctacgatta ttttatcatt ttcttcaata actttcttga 300
gtttgatcag tttctatttt acatcttttg ttgtccatat ccattccgag tttttatatt 360
tctgattttt ggcattcttt catatctaca gttgtttgct taattatatt taattaatct 420
tactgtattt tgttataggt tttctctttt tttttggat aggtcaggat tgttttggtg 480
tgttttcaac tcttgaaaaa ttttgattat attttatggt tttctattta tagtaactta 540
tgtggatggt ggggtttaatt ttatttttgt tgttcctatg tttatttgtg ttggattttc 600
ctgaaccagt gatcttgagt caactgtttc ttttatttct atagtgaat gcagtttttt 660
caattaaagg tacttttatg gtatgtcttc ttcaaattgt 700

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<210> 2169

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2169

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ttttgattat attttatggt tttctattta tagtaactta tgtggatggt ggggtttaatt 60
ttatttttgt tgttcctatg tttatttggt ttggattttc ctgaaccagt gatcttgagt 120
caactgtttc ttttatttct atagtgaat gcagtttttt caattaaagg tacttttatg 180
gtatgtcttc ttcaaattgt ttcttaatgt ataattttta tagggctctt actctcagcc 240
acttcattct cttcaccacc acacctccaa aggacagttc acttttcatg gttcctcttt 300
caccacagga acagtgcctt ccttatacta tctctgtgtg ctttacaagc tcttggtgtt 360
aaaaatatcca taagccagtc ctctgatgca ctaagtctca gatgttctct ctgtactttt 420
ccactcaggg tggagccctt ttctctgaa agcaggacct tagatgatat atatgttaca 480
ccacattaa agcacactgc atcatttact ctttctgcag tccagactg gttctttgca 540
tagttgtcac tggagtactc tgctgacatt taatatttat ttattcactt ctaagaaaac 600
agaaatttgt actattctgt gtttcccggt tacaacgtag gcataaataa tgggtacttt 660
ttttctttgt tgggtggttt cagaaattta tgtagttaaa 700

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<210> 2170

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2170

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atcattttact ctttctgcag tcccagactg gttctttgca tagttgtcac tggagtactc 60
tgctgacatt taatatattt ttattcactt ctaagaaaac agaaatttgt actattctgt 120
gtttcccggt tacaacgtag gcataaataa tgggtacttt ttttctttgt tgggtggttt 180
cagaaattta tgtagttaaa attgctttta gaaggatgct ttttctatg acacctgtt 240
acatttcaaa taatcagtgt cactaaccag aactttttca gctgtttgaa tttgcttttc 300

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```

ttttcagcaa atgacatatg ctatgcatga atgttaaaat agctgaaaag aattgcctgt 360
atttaaatat taaaagaatt gcctgtatgt aaatactaaa agaatacact atattttaaag 420
aattgccttt tatttgaata aaataaatat attgcctatg tttaaatgaa atagctgaaa 480
aattgcctat atttaaatat ttaaatacat aaatctacta ttttttatgt taagtatttt 540
ttttatcaat actcatttag cccttactag atcatccctt gagagcagtg ctttctttgg 600
aaatagtcaa gggatggaag aggcaagctt atttgaaaaa acttgatatca cttctactgt 660
catactttat aaaacatttt atttagaaca tctcaacagg 700

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<210> 2171

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2171

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ttaaatacat aaatctacta ttttttatgt taagtatttt ttttatcaat actcatttag 60
cccttactag atcatccctt gagagcagtg ctttctttgg aaatagtcaa gggatggaag 120
aggcaagctt atttgaaaaa acttgatatca cttctactgt catactttat aaaacatttt 180
atttagaaca tctcaacagg ggccaaaatg cctcatttct aactgccata cttcacacag 240
aaataatagg atacctcaga gctattgcag gttcagttct cgaccacat aataaagtga 300
atatcacaat aacaagagag cctgtccgtt gaagccaggc attgacatct ctctagctat 360
gaaagtccca gatggcacct tcttccaatg gaagagtgtt tcatctgcat tgaaaatctg 420
ttgttttagta tagccacctt catcagggat cttagctagg tcttctggat cacttactgt 480
agcttctacc ttgcattctt gggattaaaa actttattcg atcatgatgt cttatctgtc 540
tgatgtattg atggattcaa cttactaatg tttttcttgc agatttttaa atctatgtac 600
atgagggtata ttgctcttta attttctttt tctatattgt ctttctctgg ttttgttatc 660
agggcaatgc tcacctcatg agttgggaac tattccattc 700

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<210> 2172

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2172

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gggattaaaa actttattcg atcatgatgt cttatctgtc tgatgtattg atggattcaa 60
cttactaatg tttttcttgc agatttttaa atctatgtac atgaggtata ttgctcttta 120
attttctttt tctatattgt ctttctctgg ttttgttatc agggcaatgc tcacctcatg 180
agttgggaac tattccattc tcttctagtt tccagaatag tttatataga attgctagta 240
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tggaatatac tttaataagc atgggatcgt tcatattatt tcttcttgaa tgagcttttg 360
gtagtttgtg tctttcaagg aatgtgtttg tttcatccaa gttgttaa atattaatgt 420
cagagaaatc tgtgatagtc cttctttgat tcttgatata agcaatttgt ttcttctttt 480
tttcaatatc agtttgacta gaagcttctt taattgatct tttcaaggag ttaactttta 540
aaaaaatttt caatagggtt ttggggaaca ggtggtgttt ggttaa atga gtaagttctt 600
tagtggtgat ttttgagatt ttggtgcact tgtcacccaa gcagtgtaca ctgtatccaa 660
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<210> 2173

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2173

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gaagcttctt taattgatct tttcaaggag ttaactttta aaaaaatttt caatagggtt 60
ttggggaaca ggtggtgttt gggttaa atga gtaagttctt tagtggtgat ttttgagatt 120
ttggtgcact tgtcacccaa gcagtgtaca ctgtatccaa tgtgtagcct tttattcctc 180
atcccttctc acttaccctc gaatcccaa agttcattgt attatatcat tcttttgctt 240
tgcatcctta tagcttagct cctacttatg agttagaaca tacgatgttt ggttttctat 300
tcttgattta cttcacttag aataatggtc tccaattcca tccaggttgc tgagaatgcc 360
attattgtgt tcatttttta tgcttgagta gtattccatc atatgattta ttttcatatg 420

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tcttgtgcta ctataaatat gcatgtgcaa gtatcttttt tgtataatga cttcttttcc 480
tctgggtgga taccacaagag tgggatttct ggatcaaatg gtagatctac gtttagttct 540
ttaaggaatc tccacactgt tttccatagt gggtgtactt agttctttaa ggaatctcca 600
cattgttttc tatagtgggt gtactagttt acattccac caacagtgt aaagtgtctc 660
gttttctactg catccacacc aacatctatt attttttgat 700

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<210> 2174
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2174
tgggatttct ggatcaaatg gtagatctac gtttagttct ttaaggaatc tccacactgt 60
tttccatagt gggtgtactt agttctttaa ggaatctcca cattgttttc tatagtgggt 120
gtactagttt acattccac caacagtgt aaagtgtctc gttttctactg catccacacc 180
aacatctatt attttttgat attttgatta tggccattct ttcaggagtg aggtgggtatc 240
atatgggtgg tttgatttgc atttccttga tcattagtga tgttgagcat tttttttaat 300
atgtctgttg gccatttctg taccttcttt tgagaattgt ctattcatgt ccttagtcca 360
ctttctgatg ggattgtttt gttcttgcta atttgtttga gttccttgta gattctggat 420
attagtcctt tgttggatgt gtagattgtg aagattttct cccactctgt gggttgtctg 480
ttaactctgc tgattatttc ttttgcagtg gagaagcttt ttagttaagt cccatctgtt 540
tatctttttt ttttgtttgt ttgtttgctt ttgggttctt ggtcatgaag tttttgcctt 600
ctagtcagtg tctagaagga ttttttcaat gttatcatct agaatcttta tggtttcagg 660
tcttggattt aagcctttga tccatcttgt tgatttttgt 700

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<210> 2175
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2175
ttttgcagtg gagaagcttt ttagttaagt cccatctgtt tatctttttt ttttgtttgt 60
ttgtttgctt ttgggttctt ggtcatgaag tttttgcctt ctagtcagtg tctagaagga 120
ttttttcaat gttatcatct agaatcttta tggtttcagg tcttggattt aagcctttga 180
tccatcttgt tgatttttgt ataagggtgag agatgaggat ctggtttcat tcttctacat 240
gtggcttgtc agttatctca gcaccatttg ttgaataggg tgtcctttct ccaccttata 300
ttttgtttg ctttgtcgaa gatcagttgg ctgtaagtat ttgtctttat ttctggattc 360
tgcaatctgt tccattgggtc tatgtgcttg tttttatact aaataccaag ctgttttgggt 420
gattatggcc ttatagtata gtttgaagtc agataatgtg atgcctccag attgttcttt 480
ttgcttagtc ttgctttggc tgtggaggct cttttttggg ttcatatgaa ttttaggatt 540
gttttttcta gttctgtgaa gaatgatgat ggtattttta tgggaattgc attgactttg 600
tagattgctt ttgggtggat ggtcattttc acaatgttga ttctacccat ccatgagcat 660
gggatctgtt tccatttgtt tgtgccatct atgatttctt 700

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<210> 2176
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2176
tgtggaggct ctttttttggg ttcatatgaa ttttaggatt gttttttcta gttctgtgaa 60
gaatgatgat ggtattttta tgggaattgc attgactttg tagattgctt ttgggtggat 120
ggtcattttc acaatgttga ttctacccat ccatgagcat gggatctgtt tccatttgtt 180
tgtgccatct atgatttctt tcagcagtgt tttatagttt tccttgtaga ggtctttcac 240
ctttcaagga gttaaccttt ggtttcacag attttctcta ttgtgtctct ttgtcatatt 300
tcattgattt ctgcccttct acataaattt tttccttcta cttgctttgc gtttaatttg 360
ttgttctttt tctaggctct tagagtagca ggtagggtta ttgactggaa acttttcata 420
aaaacattta ataatctaca ttttcttgta agcattgttt tgactatatt gtgccaaaat 480
ttgaaaaaaa aattcttata ttgggataaa ttttagattt atgtaatagt tttaaataga 540

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atatagagtt ctctcatata tttcatcatt tcctctaatt ttaataactt acataaccat 600
ggtacatttt tcaaaactga aaaattaaca ttgatataatt actattacct taagatccag 660
actttattca gatttaacca acttttctac taatgtcctt 700

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<210> 2177
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2177
ttgggataaa ttttagattt atgtaatatg tttaaataga atatagagtt ctctcatata 60
tttcatcatt tcctctaatt ttaataactt acataaccat ggtacatttt tcaaaactga 120
aaaattaaca ttgatataatt actattacct taagatccag actttattca gatttaacca 180
acttttctac taatgtcctt tttttgttct aggatccaac ccaaaatacc acagtgcac 240
tagtcatcat gtctctttca tttattcttt cttattttt aaagaccttg atggttatta 300
agagtcatat gttttataga agggccacca acttagattt ttctgatgtt ttcttatgat 360
tacaccaaag ttatcaattt gaggggaagaa tgtacccttc atgttgcata attttagggg 420
aacgtgactg atgaagtaaa ctttgatcac ttggccaagg tcatcacaca agtatgatat 480
gttgtcccta catgtaaatg caactcagaa tgttttctaa tttcctttat gacttccact 540
ttgactcatg agttatttag aagcatgttg cttatttcac aaatatttgg ggattttcca 600
gatatttctg ttatttctaatt tttattctgt tgtggtcaga taacataactt tgtgtgcttt 660
cagttatttt aaatttggtg aggattggtt tatgaccaag 700

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<210> 2178
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2178
caactcagaa tgttttctaa tttcctttat gacttccact ttgactcatg agttatttag 60
aagcatgttg cttatttcac aaatatttgg ggattttcca gatatttctg ttatttctaatt 120
tttattctgt tgtggtcaga taacataactt tgtgtgcttt cagttatttt aaatttggtg 180
aggattggtt tatgaccaag aatatgattt agcttgatga atgtttcatg tgcacttgaa 240
aagaatgtgt attctgctgt tgttttagttg aatgctcttt aaatgtcaac taggtaaagt 300
tggttgatag tgttggtcag gtcttctgta tccttattta ttttttctct attttttcta 360
tcatttattg aggactgttg aggtgtaact gtaattgtgg gtttgatgtt ttctattcag 420
gtctatcatt ttgtcttcatt gtattttgaa actcttggtt aggttaagta ataatttaga 480
ttgttatgta ttcttggtta atttaccact ttgtcatcct ataatgtccc tgttttcata 540
tatatgaaaa cagggacaag aaatatttta tatatatata taaatttata tatatatata 600
aaatatttct tgttctgaag tctccttttt tgatactaatt atagctgttc tagcttttctt 660
ttgatttatg tttcaacaat atatcatttt ccatcatttt 700

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<210> 2179
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2179
atttaccact ttgtcatcct ataatgtccc tgttttcata tatatgaaaa cagggacaag 60
aaatatttta tatatatata taaatttata tatatatata aaatatttct tgttctgaag 120
tctccttttt tgatactaatt atagctgttc tagcttttct ttgatttatg tttcaacaatt 180
atatcatttt ccatcatttt atttttatta aattaatgca cttcattttt aaaagaagt 240
ttaggtttac aaaaaactta gcataaagta cagtgttctt ataatccctt acccccatat 300
agtttctcct attattaact tcttgctttc acgtggtgtg ttcatataaa gtgatgcaca 360
aatatggata cattattatt attattattt tgaggcagag tctctccctc tgtcaccag 420
gctggagtgc agtggcatga tctcgatctc ggctcactga aacctccgcc tcctgagttc 480
aagctattct tctgcctcag cctcccaggt agctggatct acaggcatgc accaccatgc 540
cgggctaatt ttttcatttt tagtagagac ggggtttcac catgttggtc aggtgtgtct 600
caaagtgcgg ggattacagg catgagccac agcaccacgc ctgatacatt attattaact 660

```

aaagtccaca attcacatta gagttctctc tttgtgttgt

700

<210> 2180

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2180

cctcccagat	agctggatct	acaggcatgc	accaccatgc	ccggctaatt	ttttcathtt	60
tagtagagac	ggggtttcac	catggtggcc	aggctggtct	caaagtgcgg	ggattacagg	120
catgagccac	agcaccacgc	ctgatacatt	attattaact	aaagtccaca	attcacatta	180
gagttctctc	tttgtgttgt	acagttctgt	agattttgac	aattgtatga	catgtgtcca	240
ccgttacagt	tttatacagc	ataatttcat	tgccaaaaaa	atgttctgtg	ctccacttat	300
tcatcattcc	ctctgcccg	aaactcttgg	caaccactgg	tctttctacc	atctgtatag	360
ttttgccttt	tccagaatgt	gatgtaattt	gagtcataca	ttatttagcc	ttctcagatt	420
ggtttctttc	acttagcaac	atgcatttaa	ggtttccccc	tgtctttttg	tggcttgata	480
gctcatttcc	ttatattgcc	aaataatatt	ttattgtatg	gctgtatcag	tttgtttata	540
cattcatcta	ttggaggatg	tcttggttgt	atccagggtt	tggcaattat	gaataaagct	600
actgtgaaca	tttgtatgca	ggtgtttggg	tgtacttgga	ttttcaactg	atgtgggtaa	660
ataccaagca	gcatgatcgc	tggattgtat	agtaagacta			700

<210> 2181

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2181

aaataatatt	ttattgtatg	gctgtatcag	tttgtttatc	cattcatcta	ttggaggatg	60
tcttggttgt	atccagggtt	tggcaattat	gaataaagct	actgtgaaca	tttgtatgca	120
gggtgttggg	tgtacttgga	ttttcaactg	atgtgggtaa	ataccaagca	gcatgatcgc	180
tggattgtat	agtaagacta	tgttttagctt	tgtgaagaa	tgctgaactc	tcttccaaaa	240
tggctatagc	attttgcatt	cctaccaaca	gtgtataaga	gtttctatag	ctatatatcc	300
tcaccaatat	ttgggtgttg	ctgtgttttg	gattttcatc	attctgacag	atgcatagt	360
atatctcatt	gggtgtttta	tttgcaattc	cctaatagca	tataatattt	agcgtttttt	420
tccccccgag	atggaggtct	gctctgttgc	ccaggctgga	gtgcagtggg	gcggctctcag	480
cccattgcaa	cctctgcctc	tcgagttcaa	gcaattctcc	tgccctcagc	tcccaagcag	540
ctgggattac	aggcgccctg	caccatgcat	ggctaatttt	tgtattttta	gtagagaagg	600
ggtttcacca	tgttgaccag	actgggtctc	aactcctgac	ctcgtgatct	gcctgcctca	660
gcctcccaaa	ctgctgggat	tacagggtgt	agccaccacg			700

<210> 2182

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2182

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caccatgcat	ggctaatttt	tgtattttta	gtagagaagg	ggtttcacca	tgttgaccag	120
actggtctcc	aactcctgac	ctcgtgatct	gcctgcctca	gcctcccaaa	ctgctgggat	180
tacagggtgt	agccaccacg	cctggccaat	atcttagcat	ttttcatata	cttacttgcc	240
atctgtatat	catctttgat	gaggtgtgtt	tgttttagata	tttttgccca	tttttaaagt	300
tgggttattt	atcttcttat	tgttgagttt	tgagagttct	ttatatattt	tttaataacg	360
tcctttatca	gatacgtgtt	ttgcaaatat	ttctccccag	tctgtggctt	ttctttttat	420
tctcttgaca	tattttactt	tttaaccatc	tttgccctta	tgttttagagt	gagctcctta	480
tagaaagcat	ataatcatgc	cttgcttttt	catccaattg	gacaatctct	tttaaatatt	540
tatgtttaga	tcattttata	ttaatatagt	tattgatata	gttggaacta	aatctgtcat	600
ttttcttgct	atctttttat	tgttccatct	gttttttggt	ctttttttcc	ccttttctgc	660
ctgcttttga	attggctatt	ttctttttat	atactttaag			700

<210> 2183
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2183
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 ttaatatagt tattgatata gttggactaa aatctgtcat ttttcttgct attttttatt 120
 tgttccatct gttttttgtt ctttttttcc ccttttctgc ctgcttttga attgggtatt 180
 ttcttttatt atactttaag ttttagggta catgtgcaca atgtgcagg tttgttacata 240
 tgtatacatg tgccatgttg gtgtgctgcc cccattaact cgtcatttac attagggtata 300
 tctcctaag ctatccctcc cctctccccc taccgacaa caggccctgg tgtgtgatgt 360
 tcccccttcc ctgtccatgc gttctcattg ttcaattccc acctacgagt gagaacatgc 420
 ggtgtttgga ttttttgtcc ttgtgatagt ttgctgagaa tgatggtttc cagcttcac 480
 catgtcccta caaaggacat gaactcatca ttttttatgg ctgcatagca ttccatgggtg 540
 tatatgtgcc acattttctt aatccagtct atcattgttg gactattttt tatgctgttt 600
 ttttccctcc tttattgggt tatttataac ctcttttaag aaaatttttag tggttgtcct 660
 taagtttaca gtatgcacct ttaattaatc acagtcagcc 700

<210> 2184
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2184
 gaactcatca ttttttatgg ctgcatagca ttccatgggtg tatatgtgcc acattttctt 60
 aatccagtct atcattgttg gactattttt tatgctgttt ttttccctcc tttattgggt 120
 tatttataac ctcttttaag aaaatttttag tggttgtcct taagtttaca gtatgcacct 180
 ttaattaatc acagtcagcc ttcaaatagt acgtataata tatataaggt ttaagaacct 240
 tatgatactc ctaatttttt cctcccaatt ttgtgctata gttttcatgc actttattat 300
 atgctgtatt ccaacacact gctactattt ttgcttttag acaattatgt tttagataat 360
 taaaaataag aaaaagtatt ttatgtttat cttcatttat ccattcccag acatctttat 420
 tacttttgtg agattcaagt tcttgtaggg caggctctgtg gataatgaat tatctcagct 480
 tttattttgtc tgaaaagata ttttaggaatt tgagtttcca gtccagcatg ttaggagttt 540
 taaaaagttg ccactccatc ctaacaacaa ataaaaactg aacaagctga agaattaaca 600
 actcttctta gatctataag agaggtgagg tcacaaggta aacttctgcc ccagaattg 660
 gggagaaaaa caggcagata cagaaaatca caacttacca 700

<210> 2185
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2185
 ttttaggaatt tgagtttcca gtccagcatg ttaggagttt taaaaagttg ccactccatc 60
 ctaacaacaa ataaaaactg aacaagctga agaattaaca actcttctta gatctataag 120
 agaggtgagg tcacaaggta aacttctgcc ccagaattg gggagaaaaa caggcagata 180
 cagaaaatca caacttacca gagcggaaac tcacctccat gagaagaagt accgggatag 240
 aaaaacctga actatagttg acaaattgtg gaggtcaggt gtggacaagc ctgagtaata 300
 aaaaccccag gggatcccag tcatcaggta tccctcacac ttctgtaagt tttatgtgaa 360
 gattggagaa aaatctcctt atgcttccag cagggggagg aaaaaggaac gttttgttaa 420
 tatgtcaaga gcattctgtt cttgaccaga cctgagccta acctgctgaa gttttgttta 480
 agagctcgac ccatctgggg caagggaaat aactccagcc cctctgggt atcctttccc 540
 atttaaaagg gggataaaaa gctgaaaaac actggtgaag ttcatgtct agcaacacag 600
 gctcaccaga agactgagat ctaatcatag gactatggaa cacttccctg ccctccatat 660
 cttaccacta cattactaaa agcctatgta gccaggcgcg 700

<210> 2186
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 2186
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 gctgaaaacg actggtgaag ttcattgtct agcaacacag gctcaccaga agactgagat 120
 ctaatcatag gactatggaa cacttcacctg ccctccatat cttaccacta cattactaaa 180
 agcctatgta gccaggcgcg gcgtctcacg cctataatcc cagcactttg ggaggccaag 240
 gcggggagaat cacttgaggc caggagttca agaccatcct ggccaatatg gtgaaacccc 300
 atctctacta aaattacaaa aaatagctgg gcttggtggc acacacctgt aatcccagct 360
 acgtgggagg ctgaggcagg agaaccactt gaacccggga ggcagaggtt gcagtgaagt 420
 gagatcacgc cactgcactc cagcctgggc aacaaagtgc gactctgtct caaaaacaaa 480
 caaataaaca cacaacctaa aagtcttttt accacaattc cttttacccc gtacaccttt 540
 cagcagtata ctacaaggca tattaaaagg caaaaaacac aattggaaga gacagagcaa 600
 ccatcagaat cagacccata tgtggcaagg atgtgagaat tatcagactg ggaattttta 660
 acaactatga ttaatatgcc aagggcacta atagaaaaag 700

<210> 2187
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2187
 aagtcttttt accacaattc cttttacccc gtacaccttt cagcagtata ctacaaggca 60
 tattaaaagg caaaaaacac aattggaaga gacagagcaa ccatcagaat cagacccata 120
 tgtggcaagg atgtgagaat tatcagactg ggaattttta acaactatga ttaatatgcc 180
 aagggcacta atagaaaaag taggtaacat gcaagaacag atgagtaatg taagcagaga 240
 aatgcaaact ctaagaaaga tttaaataca atgaagatgc tggaaataaa aacatagtaa 300
 ctgaaattaa gaataccttt gggttaagctc atcagtatac tggacacaga tgaggaaaga 360
 aacagtgaaga cttaagatat gtcaatagaa atttcccaaa atgaaaggca aagaggaaat 420
 aaaactttta aaacagaat atccaagaac tgtaagacaa ccacaaaaat gtaagtacat 480
 ataattgatag tattggagaa gaaactgaga aagggaacaga agcaatattt gaagcagtaa 540
 ggaaataatt ttctcacaat taatgtcaga catcaaacca cagatctaag aatcagagaa 600
 caccaaatag gataaaattt taaaaagccc caaaaatgaa aaactatacc taggcatatc 660
 atattaaaac tgcagaaatt ttcagataaa gaaaaaaaat 700

<210> 2188
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2188
 gaaactgaga aaggaacaga agcaatattt gaagcagtaa ggaaataatt ttcctcaaat 60
 taatgtcaga catcaaacca cagatctaag aatcagagaa caccaaatag gataaaattt 120
 taaaaagccc caaaaatgaa aaactatacc taggcataatc atattaaaac tgcagaaatt 180
 ttcagataaa gaaaaaaaaat cttgaaagaa agccgggggt ggagggggga atcttatcta 240
 taaaggagca aagataagaa atattttctc tctgagaaa tcatgcaagc aagaaaaaat 300
 tggagtgaat aatcaaagca ttgagagaaa aaaaaaaaaac cccaccaacc tacaattctg 360
 tcctgcaaaa attatccttc aaaagtgaag atgagataaa gacttttctca gataaacaaa 420
 aactgaatga aattgttgcc agtagatctt ccttgtaaga aatgttttaa agaagttggt 480
 cagggagaag gaaaatgata taggtcagaa tctcagatct atataaagaa agcatcagag 540
 aaggagtaag taaatataaa ataaacacat ttttcttatt cttaattgat gtaactgata 600
 acagtgtgtt taacaatatt aacaatgcat tcaattttgt gtgtgtatat aaatatatac 660
 atttatgtgt gcttatgaat aagtgaatg aatgacagca 700

<210> 2189
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2189

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taggtcagaa tctcagatct atataaagaa agcatcagag aaggagtaag taaatataaa 60
ataaacacat ttttcttatt cttaattgat gtaactgata acagtttggt taacaatatt 120
aacaatgcat tcaattttgt gtgtgtatat aaatatatac atttatgtgt gcttatgaat 180
aagtgaatg aatgacagca gtgatgcaag ggatgggagg gagaattaga aatacttggg 240
tattaggtac ttgcaactgta tgggaagtgg tatagtatta ttgaaaatg gattgggggt 300
agttataaat gcataattca aactctaggg caaccacttt aaaaagtaag aaaaagaagt 360
ataattggta tgctaagaaa agagagaaaa tgggaatcata taaaatgctc aattaaaacc 420
acggaaggca gaaaaagagt ggaagacaga aataggaaca aagaacaaag gcaacaaata 480
gaaaatagta acagatatgg cagatcaaac tatatcagta aacacttcac agtcactctg 540
gaaggcagtt tggctgtctc ttaccaaact aaacatgctc ttagcacatg atccagccct 600
tgcaactcctt agaattttacc caaataagtt aaaaacttat gttcaccag aacagctgca 660
tacagctggt tatagcagct ttcttcatag ttgcgaaaaa 700

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<210> 2190

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2190

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cagatcaaac tatatcagta aacacttcac agtcactctg gaaggcagtt tggctgtctc 60
ttaccaaact aaacatgctc ttagcacatg atccagccct tgcaactcctt agaattttacc 120
caaataagtt aaaaacttat gttcaccag aacagctgca tacagctggt tatagcagct 180
ttcttcatag ttgcgaaaac ctggaagcaa ccaagatgtc ttgcttccag gtttgggaagg 240
atggatgggt aaataaactg atacatccag gcaatgaaat attgttcagt gctaaaaggga 300
aatgcactat caagctataa aaagacatgg aggaacctta aatgcatatt gctaagtga 360
agaagctcat ctgagaaggc cagcttcaag tgattctcat gcctcaacct ctcaagtagc 420
tgggattaca ggcacgtgcc accatgcctg gctaattttt tcatttttag tagagacaag 480
gtttcaccat gttggccatg ctggctctga actcttgacc tcaagtgatc cgccacactt 540
ggcctcccaa agtggtagga ttacaggcat gagccaccat gcccaccccc attatacgtt 600
tgtcaaaacc cacagaatgt acgccaccaa gagtgaacc taatataaac tgtggacctg 660
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<210> 2191

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2191

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ctggctctga actcttgacc tcaagtgatc cgccacactt ggctcccaa agtggtagga 60
ttacaggcat gagccaccat gcccaccccc attatacgtt tgtcaaaacc cacagaatgt 120
acgccaccaa gagtgaacc taatataaac tgtggacctg ggggtgataat tatgtgacaa 180
tgtaggttca ttgatctaac acatgtacca ctgtgacgca gtacatcaat agtggggatg 240
tttatgcatg ttagggggca tggatagatg aggagtctgt acttctctgt taattttgct 300
gtgaacctaa aactgctggt ttttaaaaga ttttttcccc ttcagtttaa aagattattt 360
cacttgggtg agaattctgg gttgatagca attttttttc ttttattcct ttaaagatct 420
cacaccattg tcttctggat tatataattt ctgaatatgt ctgctgtaat tcttatcttg 480
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ggttttcagc agtttaaaata taacgtatct ttctaagcgt gatttctttt agtgggtggg 600
gtgggggtatt tatcctgatt gtgacctctg agtttttttt tttaaaaaat acatatatat 660
atttaatatata tatttaaatg tatatttttt atatatattat 700

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<210> 2192

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2192

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ctttttatct tgtcatgttt aagattttct atttgttttt ggttttcagc agtttaaaata 60

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taacgtatct ttctaagcgt gatttctttt agtgggtggtg gtgggggtatt tatectgatt 120
gtgacctctg agttttatfff tttaaaaaat acatatatat atttaataata tatttaaatg 180
tatatfffft atatatffat ttatfftaga gacagggtct tgctgtgttg tccagactgg 240
tggtgaactc ctggtttcaa gcgatcctcc cacctgggat tacaggcatg agccactatg 300
cccaatcatc tctctgagct tcttgatct gtagtttgta tctttcatta ttttctgaag 360
attcttggct aatttctctt taaatatttc ttctttaaaa aatatctact tcaaatacct 420
aatatagatg acgggttgat ggggtgcagca aaccatcatg gcatgtgtat acctatgtaa 480
caaacctgca cgttctgcac atgtatccca gaacttaaag tataataaaa aaaatfffta 540
aaaagaaaaa ttaaaatcta cttccttcct ctggaatfff aaggcttagg agaagagttg 600
tgtacatgtc cagaagaaaa gtggagttga gtcagtttat taggatgtgg tgtgggtttg 660
ggatfffttt gtttttggtt ttgtggttgc tttcagtga 700

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<210> 2193

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2193

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atgtatccca gaacttaaag tataataaaa aaaatfffta aaaagaaaaa ttaaaatcta 60
cttccttcct ctggaatfff aaggcttagg agaagagttg tgtacatgtc cagaagaaaa 120
gtggagttga gtcagtttat taggatgtgg tgtgggtttg ggatfffttt gtttttggtt 180
ttgtggttgc tttcagtga cctccaactt caaagcattg tgcttagagt agaggctggg 240
tttcagaggg ttttttggtt tgttttctta aaatgttctt gctttacttg cagctttcag 300
aattcccagt ggacctgtac cttggaggga tgtttcttga tgcatgcttg ccccttgtcc 360
agcagtggtc tctgttctt tgttactcat gcttgctagt ccagtgatgg ggaccagtga 420
ggactctcta ctgtcctggt ccagcctcac tattagacag gctaaaagt ctgtcagcct 480
gtgggaaggg caggaaatgg tctggcccaa gttcattaga ggtttttggt attggtttgt 540
ttgtttggtt gtttggttgt tttgagacag agtcttggtc tgtcacccag gctggagtgc 600
agtgggtgca tctcagctca ctgcaacttc tgccctctgg gttcaagcaa ttctcctgcc 660
tcagctcctg agtagagggg attacaggca tgtgccacta 700

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<210> 2194

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2194

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tctggcccaa gttcattaga ggtttttggt attggtttgt ttgtttggtt gtttggttgt 60
tttgagacag agtcttggtc tgtcacccag gctggagtgc agtgggtgca tctcagctca 120
ctgcaacttc tgccctctgg gttcaagcaa ttctcctgcc tcagctcctg agtagagggg 180
attacaggca tgtgccacta tgcccaacta atfffttgat ttttagtaga gaaggggttt 240
tgccatgttg gccaggcttg tctcaaaact ctgacctcaa gtgatccacc cacttcagcc 300
tcccaaagtg ttgagattac aggtgtgagc tatcgacct ggccatgagg tgttctacca 360
ctgttggaag ggtagaatgt tctttccagg tcaagatcca tcaaagaaac aaggaaaagt 420
ttggctgtct cagagagggg atcaggatca ccaggaaatc tccagacatg gagaaccagt 480
ctttcttggt agcatccagt aaaggctctg ggagaaaaat gtatgagaga ggtgtgaatt 540
tttcttggtg ctgtgactcc caggaatffc atattcacac attagcccac aatttgcctt 600
tagtaatfff tttttttaaa agctccagtc tgcagctccc agtgagacca acgcagaagg 660
tgggtgattt ccagctgagg tgcccgggtc atctcattgg 700

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<210> 2195

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2195

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aaaggctctg ggagaaaaat gtatgagaga ggtgtgaatt tttcttggtg ctgtgactcc 60
caggaatffc atattcacac attagcccac aatttgcctt tagtaatfff tttttttaaa 120
agctccagtc tgcagctccc agtgagacca acgcagaagg tgggtgattt ccagctgagg 180

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tgccccggttc	atctcattgg	gactagtttag	gcagtgggtg	ccaccacacag	agagcaagca	240
gaagcaggggt	ggggcatcgc	ttcacctggg	aagtgcaagg	agccagggga	cctcccttcc	300
acagccaagg	gaagtgggtga	gggactgtgc	taccctccct	ggatactaca	cttttcccgt	360
ggattttttgc	aatctgcaga	tcaggagatt	ccctcgtgaa	cttacaccac	cagagccctg	420
ggttttcaagc	acaaaactga	gcagctgatt	gggcaggcac	tgagctagct	acaggagttt	480
ttttgtactc	cagcggcacc	tggaaccata	atgagacagg	agacaggaga	gacaggagaa	540
ccgtccactc	ccctagaaag	ggggctgaag	ccaggagacc	aagtgggtctt	gctcagcagg	600
tcccactccc	acagatccca	gcaagctaag	aaccactggc	ttgaaattct	cactgccagc	660
acagcagtct	ggagttgacc	cagaatgata	gagcttggtg			700

<210> 2196

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2196

tggaaccata	atgagacagg	agacaggaga	gacaggagaa	ccgtccactc	ccctagaaag	60
ggggctgaag	ccaggagacc	aagtgggtctt	gctcagcagg	tcccactccc	acagatccca	120
gcaagctaat	aaccactggc	ttgaaattct	cactgccagc	acagcagtct	ggagttgacc	180
cagaatgtag	gagcttggtg	gcgggagggg	catccaccag	tactgaggca	ttagtaggcg	240
gttttcccct	gacagtgcta	aggagactgg	gaggtttggg	atgggcagaa	tttaccacag	300
catggcaaa	tgactgtggc	cagattgctt	ctctagattc	ctcctcactg	ggcaggggcat	360
ctctgaagga	aaatcagcag	ctccagtcag	gggcttacag	ataaaactct	catcttcttg	420
gtacagagca	tctggaggga	agggcagctg	cagtcacaac	ttcagcagac	ttatatcttt	480
cctgcctcct	ggctctgaag	aaagcaactg	atcctgacaa	gggggattat	tccagcacag	540
tgtactagct	ctgctaagga	acagactgcc	ttctcaagtg	ggtccctgac	ccctgtgcct	600
ctgactggga	gagacctccc	aacagggatc	aacagacacc	tcatacagga	gagctctggc	660
tggcatcagg	ccagtgcacc	ctgggatgaa	gcttccagag			700

<210> 2197

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2197

aaagcaactg	atcctgacaa	gggggattat	tccagcacag	tgtactagct	ctgctaagga	60
acagactgcc	ttctcaagtg	gggtccctgac	ccctgtgcct	ctgactggga	gagacctccc	120
aacagggatc	aacagacacc	tcatacagga	gagctctggc	tggcatcagg	ccagtgcacc	180
ctgggatgaa	gcttccagag	gaaggagcag	gcagcaatct	ttgctgttct	gcagcctcca	240
ctggtgatac	ccagggtgaac	aggggtctgga	gttgacctcc	agcaaactac	agcagacctg	300
cagaagaggg	gcctgactgt	tagaaggaaa	actaacaac	agaaagcagc	aacaacaaca	360
acataaaaaa	gatccccaca	caagaacccc	atccaaaggt	cattagcctc	aaagatcaaa	420
ggtagataaa	tccatgaaga	tgaggaaaaa	ccagtacaga	aatgctgaaa	attccaaaag	480
ccagaatgcc	tcttctcctc	caactgattg	cagcacctct	ccagcaaggg	tgtaaaactg	540
gacagagaat	gagattgatg	aattgacaga	agtaggcttc	agaagatggg	taataacaaa	600
ttcctctgag	ctaaaggagc	acgtttctac	ccaatgcaag	gaagctaaga	acctaataaa	660
aggttacagg	aactactaac	tagaataacc	agttcagaga			700

<210> 2198

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2198

caactgattg	cagcacctct	ccagcaaggg	tgtaaaactg	gacagagaat	gagattgatg	60
aattgacaga	agtaggcttc	agaagatggg	taataacaaa	ttcctctgag	ctaaaggagc	120
acgttctcac	ccaatgcaag	gaagctaaga	acctaataaa	aggttacagg	aactactaac	180
tagaataacc	agttcagaga	ggaatataaa	tgacctgatg	tagctgaaaa	aacagcatga	240
taatttagtg	aagcataaac	aagtattagt	agccaaatca	cgtggaagaa	aggatgtcag	300

aaattgaaga	ccaccttgct	gaaataaagc	atgaagacaa	gattagagaa	aaaggaatga	360
aaaggaatga	acaaagcctc	cacaaaatat	gtgactatgt	gaaaggacca	aacctacaat	420
taatgggtgt	acctgaaagt	gatggggaga	ttggaaccac	gttggaacac	acacttcagg	480
atattatcca	gaacttcccc	aacctagcaa	gataggccaa	tattcaaatt	caggaaatac	540
agagaacacc	acaaaaatac	tccttgagaa	gatcagcccc	aagacacata	atcttcagat	600
tcaccaaggt	tgaaatgaag	gaaaaaatgt	taagggcagc	cagaaagaaa	ggtcgggtca	660
cgtacaaagg	gaagcccatc	agactaacag	cagatctctc			700

<210> 2199

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2199

aacctagcaa	gataggccaa	tattcaaatt	caggaaatac	agagaacacc	acaaaaatac	60
tccttgagaa	gatcagcccc	aagacacata	atcttcagat	tcaccaaggt	tgaaatgaag	120
gaaaaaatgt	taagggcagc	cagaaagaaa	ggtcgggtca	cgtacaaagg	gaagcccatc	180
agactaacag	cagatctctc	tgcaaaaacc	ctacaagcca	gaagagcatg	ggagccaata	240
ttcaacattc	ttaaagaaaa	gaattttcaa	cccagaattt	tatatccagc	caaactaagt	300
ttcataagca	aaagagaaat	aaagtccttg	agagacaagc	aaatactgag	gattttgtca	360
ccaccaggcc	tgcttgcaa	gagcacctga	aggaaacact	aactatggaa	aggaaaaact	420
gggtaccagcc	attgcaaaaa	cacatcaaaa	tataaagacc	atcaacacta	tgaagaaact	480
gcatcaacta	atgtgcaaaa	tagccagcta	gcatcatgat	gacaggatca	gattcacaca	540
caataatatt	aaccttaaat	gtaaatgggc	taaatgcccc	agttaaaaga	cacagactgg	600
caaattggat	aaagagtaaa	gacccatcca	tgtgctgtat	tcagtagacc	catctcatgt	660
gcaaagacac	acataggctc	aaaataaagg	gatggaggga			700

<210> 2200

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2200

tagccagcta	gcatcatgat	gacaggatca	gattcacaca	caataatatt	aaccttaaat	60
gtaaatgggc	taaatgcccc	agttaaaaga	cacagactgg	caaattggat	aaagagtaaa	120
gacccatcca	tgtgctgtat	tcagtagacc	catctcatgt	gcaaagacac	acataggctc	180
aaaataaagg	gatggaggga	tatttaccaa	gcaaatggaa	agcaaaaaaa	gtaggagtgt	240
cagtcctagt	ctccgataac	acatacttta	aaccaacaaa	gatacataaa	gacaaagagg	300
ggcattacat	aatggtaaa	ggatcaatgc	aacaagaaga	gctaactctc	ctaaatgtac	360
atgcacccaa	tacaggagca	cccagattca	taaaacaagt	tcttagagat	gtacaaagag	420
acttagactc	ccacacaata	aaaaagggag	actttaacac	cccactttca	atattagatg	480
gatcaacgag	acagaaaatt	aacaaggata	ttcaggatgt	gaactcagct	ctggatcaag	540
gggaccta	agacatctac	agaactctcc	accccaaata	aacagaatat	ttattcttct	600
cagcaccaca	tggcacttat	tctaaaattg	accacatgat	tgggagtaaa	acactcctca	660
gcaaatgcag	aagaatggaa	ataataacag	tctgtcagac			700

<210> 2201

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2201

aacaaggata	ttcaggatgt	gaactcagct	ctggatcaag	gggaccta	agacatctac	60
agaactctcc	accccaaatc	aacagaatat	ttattcttct	cagcaccaca	tggcacttat	120
tctaaaattg	accacatgat	tgggagtaaa	acactcctca	gcaaatgcag	aagaatggaa	180
ataataacag	tctgtcagac	cacagtgtga	ttagcattaa	gaagctcact	caaaacctca	240
caactacatg	gaaattgaac	aatgtgctcc	tgaatgacta	ctgggtaaat	aacaaaatta	300
aggcagaaat	caagaagttc	tttgaaacca	atgagaacaa	agactcaaca	tgccagaatc	360
tctgggacat	agctaaagta	gtgttaagag	agaaatttat	agcactaaa	gcccacatca	420

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gaaagctgga aagatctcaa attgacaccc taacatcaca attaaaagga ttagaaagca 480
ggagcaaaca aattcaaaaa ctagcagaag acaagaaata actaagatta gatcagaact 540
gaaggagata gaggcacaaa aaacccttca aaaatcagtg aatccaggag gtgggttttt 600
gaaaaaaaaa aaaaaattaa caaaatagat agactcctag ctagactagt aaagaagaaa 660
agagaagaat caaatagaca caataaaaaat gataaagaga 700

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<210> 2202
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2202
ctagcagaag acaagaaata actaagatta gatcagaact gaaggagata gaggcacaaa 60
aaacccttca aaaatcagtg aatccaggag gtgggttttt gaaaaaaaaa aaaaaattaa 120
caaaatagat agactcctag ctagactagt aaagaagaaa agagaagaat caaatagaca 180
caataaaaaat gataaagaga atatcagcac tgatcccaca gaaatgcaca ctaccatcag 240
agaatactat aaacacatct acacaagtaa actagaaaat ctagaaaaaa tggataaatt 300
cctggacaca tacatcctcc caagactaaa ccaggaagaa gtcgagtccc tgaatagacc 360
aataacaagt tctgaaatcg aggcaataat taatagccta ccaacaaaaa aaatcccagg 420
accagacaga tttcacaaac aatttctacc agaggtaaaa agaggagctg gtaccattcc 480
ttctgaaact attctaaata attgaaaaag aggcactcct cctgaactca ttttatgagg 540
ccagcatcat cctaatacca aaaccttgca gagacataac aaaaacagaa aacttcaggc 600
caatatccct gatgaacatt gatgagaaaa tcctcaataa aatactggca aaccaaattc 660
agcagcacat caaaaaagtt atccaccaca atcaagtcag 700

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<210> 2203
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2203
attgaaaaag aggcactcct cctgaactca ttttatgagg ccagcatcat cctaatacca 60
aaaccttgca gagacataac aaaaacagaa aacttcaggc caatatccct gatgaacatt 120
gatgagaaaa tcctcaataa aatactggca aaccaaattc agcagcacat caaaaaagtt 180
atccaccaca atcaagtcag cttcatccct gggatgcatg gctggttcaa catatgcaaa 240
tcaataagcg taatccatca cataaacaga accaatgaca aaaactgcat gattttctca 300
atggatggcag aaaacgcctt caataaaatt caacatccct tcatgctaaa aactctcaat 360
aaactaggta ttcattggaac atatctcaaa ataataagag ctattttatga caaacccaca 420
gccaatatca tactgaatgg gcaaaagctg gaagcattct ctttgaaaac ccagcacgag 480
acaaggatgc cctctcttac cactcctatt caacatagta ttggaagttc tggccagggc 540
aatcaggcaa aagaaagaaa taaagggttc aaataggaag agagggaagtc aaattgtctc 600
tgtttacaga tgacatgatt ctatatattag aaaaccctat tgtcttgccc aaaatctctc 660
taagctgata agcaaattta gcaaagtctc aggggtacaaa 700

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<210> 2204
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2204
cactcctatt caacatagta ttggaagttc tggccagggc aatcaggcaa aagaaagaaa 60
taaagggttc aaataggaag agaggaagtc aaattgtctc tgtttacaga tgacatgatt 120
ctatatattag aaaaccctat tgtcttgccc aaaatctctc taagctgata agcaaattta 180
gcaaagtctc aggggtacaaa accaatgtgc aaaaattaca agcattccta tacaccaaca 240
atagacaagc agagagccga atcatgaatg aactctcttt cacaattgct acaaagatag 300
taaaatacct aggaatacaa cttacaaggg atgtgaagga cctcttcaag gagaacaaca 360
aacaactgct caaagaaata agagaggaca caaacaattg gaaaaacatt ccatgctcat 420
ggatagaaaag aatcaatatt gtgaaaattg ccatactgcc caaagtaatt tatagattca 480
atgctgttcc catcaagcta ccattgactt tctttgcaga attaaaaaaaa ctactttgaa 540

```

```

tttcatatgg aacctaataaa gaacctgtat agccaagacc taagcaaaaa caacaaagct 600
ggaggcatca cgctccctga catcaaacta tactacaagg ctacagtaag caaaacagca 660
tggtactgct accaaaacag atatatagac caatggacca                700

```

```

<210> 2205
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 2205
ccattgactt tctttgcaga attaaaaaaa ctactttgaa tttcatatgg aacctaataaa 60
gaacctgtat agccaagacc taagcaaaaa caacaaagct ggaggcatca cgctccctga 120
catcaaacta tactacaagg ctacagtaag caaaacagca tggtactgct accaaaacag 180
atatatagac caatggacca gaacagagac ctacagaagta acaccacaca tctacaacca 240
tctgatcttt gacaaacctg acaaaagcaa tgggggaaagg attccctatt taataaatga 300
tgctgggaaa actgggctaac catatgcaga aaactgaaac ttcctttatac cttatacaaaa 360
aattaactca agatggatta aagacttaaa tggaaaaccc aaaaccataa aaaccctaga 420
agaaaaacct aggcaatacc attcagaaca taggcatgga caaagacttc atgattaaaa 480
caccaaaagc aatggcaaca aaagccaaaa tagacaaatg ggatctaatt aaactaaaga 540
gcttctgcac agcaaaagaa actatcatca gagtgaacag gcaaccgaca gaatgggaga 600
aaatttttgc agtctaccca tctgacaaag gtctagtatc cagtatctac aagggaactta 660
aacaaattta caagaaaaat caaatgaccc cgtgaaaaag                700

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```

<210> 2206
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 2206
aaagccaaaa tagacaaatg ggatctaatt aaactaaaga gcttctgcac agcaaaagaa 60
actatcatca gagtgaacag gcaaccgaca gaatgggaga aaatttttgc agtctaccca 120
tctgacaaag gtctagtatc cagtatctac aagggaactta aacaaattta caagaaaaat 180
caaatgaccc cgtgaaaaag tgggcaaagt gtatgaacag aaaatttctca aaaaagacat 240
ttatgtggcc aacaaacata tggaaaaagg ctcatcatcc caccattaga gaaatgcaaa 300
tcaaaaccac agtgagatac catctcatgt aagtcagaat ggtgattatt aaaagtcagg 360
aaacagtaga tggtgacgag gctgtggaga aatagggaatg cttttacagt gttgggtggga 420
gtgtaaatta gttcaaccat tgtggaagac aatgtggcga tacctcaagg ttctagaatc 480
agaactacca tttgaccagc caatccatt actgggtata tacctaaagg attagaaatc 540
attctataaa gacacatgtg catgtatgtt tattgcagca ctattttaca tagcaaagac 600
ttggaaccaa cccaaatgtc catcaatgct agactggata tacaccatgg aatactacgc 660
aaccataaaa aagaatgaga tcgtctcctt tgcagggtaca                700

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<210> 2207
<211> 700
<212> DNA
<213> Homo sapiens

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```

<400> 2207
caatcccatt actgggtata tacctaaagg attagaaatc attctataaa gacacatgtg 60
catgtatgtt tattgcagca ctattttaca tagcaaagac ttggaaccaa cccaaatgtc 120
catcaatgct agactggata tacaccatgg aatactacgc aaccataaaa aagaatgaga 180
tcgtctcctt tgcagggtaca tggatgaagc tggaagccat cattctcagc aaactaacac 240
aggaacagaa aaccaaacac tgcattgtct cactcataag tgggagttga acaatgagaa 300
cacatggaca caggaaggag aacaacacac gtcaagggtc gttaggggggt ggggggcaag 360
gagaggggaga gcattaggac agatacctaa cgtaagcagg gcttaaaacc tagatgacgg 420
gttgataggt gcagcaaacc atgatggcac gtgtatactt atgtaacaaa cctgcacatt 480
ctgcacatgc atcccagata tcaaagtaag attaaaaaat aaataaaaaat gaaaaagaca 540
aaaaaaaccc cacagaaatt atttttacct gcttctatgt tgcccagtgt ttcttccttt 600
tgtgttctgc cacagatgac ccagtgtcct tgtctcattt ctctttgggtg gcatctatct 660

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tttctttacat ttttagacttt tttttttttt ttttttttgag

700

<210> 2208

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2208

tcaaagtaag	attaaaaaat	aaataaaaaat	gaaaaagaca	aaaaaaaccc	cacagaaatt	60
atttttacct	gcttctatgt	tgcccagtg	ttcttccttt	tgtgttctgc	cacagatgac	120
ccagtgtca	tgtctcattt	ctctttgggtg	gcactctatct	tttcttacat	tttagacttt	180
tttttttttt	tttttttgag	atggagtcctc	actccgttgc	ctaggctgga	atgcagtggc	240
aagatctcag	ctcactgcaa	cctccacctc	ccagggtgcaa	gtgattctct	tgcttcagcc	300
tcctgagtag	ctgggattac	atgcacatgc	caccatgcct	ggctgatttt	ttgggtatttt	360
tagtagagat	gggggtttcac	catgttggcc	aggctagtct	tgaactcctg	acctcagggtg	420
atccacccgc	ctcagcctcc	caaagtgcctg	gaatgacagg	cataagacac	catgcccggc	480
ccattttaga	ctttttgatt	gccctatgat	ctcagttctc	taatgagttt	aggaaaagtt	540
atgattttgt	agtttatctg	gctattgttg	ctgttaggat	gtaataactca	tcccagcttt	600
ccacatccctg	caatttcttt	gtgttttaag	aatttttttt	aattttatact	ttaagtctctg	660
gggtatctgt	gcagaatgtg	cagttttgtt	acatagggtat			700

<210> 2209

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2209

gccctatgat	ctcagttctc	taatgagttt	aggaaaagtt	atgattttgt	agtttatctg	60
gctattgttg	ctgttaggat	gtaataactca	tcccagcttt	ccacatcctg	caatttcttt	120
gtgttttaag	aatttttttt	aattttatact	ttaagtctctg	gggtatctgt	gcagaatgtg	180
cagttttgtt	acatagggtat	acacgtgcc	tggtgggtta	ctgcacccat	gaacctgtca	240
tctacattag	ttatttcccc	taatactatc	cctccccctag	cccccaactt	cccgacaggc	300
cctgaggtgt	gatattcccc	tccctgtgtc	catgtgttct	cattgttcaa	ctcccactta	360
tgagtgaag	catgcagtgt	ttgggtttct	gttcctgtgt	taattttgct	gagaatgatg	420
gtttccagct	tcattccatgt	ccttgcaaag	gactcatcgt	tttttatggc	tgcatagtat	480
tcattggtgt	atatgtgcc	caatttcttt	atccagtata	tcactgatgg	gcatttgggt	540
tggttccaag	tctttgctgt	tgtgtacagt	gccgcaaata	aacatacgtg	tgcatgtgtc	600
ttcatagtac	aatgatttat	aatcttttgg	gtatataccc	agtaatggga	ttgctgggtc	660
aaatagtagt	tctgggttcta	gatccttgag	gaatcaccac			700

<210> 2210

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2210

caatttcttt	atccagtata	tcactgatgg	gcatttgggt	tggttccaag	tctttgctgt	60
tgtgtacagt	gccgcaaata	aacatacgtg	tgcatgtgtc	ttcatagtac	aatgatttat	120
aatcttttgg	gtatataccc	agtaatggga	ttgctgggtc	aaatagtagt	tctgggttcta	180
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<210> 2217
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<210> 2218

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2218

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<210> 2219

<211> 700

<212> DNA

<213> Homo sapiens

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<210> 2220

<211> 700

<212> DNA

<213> Homo sapiens

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<211> 700

<212> DNA

<213> Homo sapiens

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<211> 700

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 2225

<211> 700

<212> DNA

<213> Homo sapiens

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<210> 2226

<211> 700

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 2228

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2228

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acctgggaac ctatctcctg cctttgggtca gcagaaactg cttctcctat taccttgata 60
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tcagcttttag ctccctcacc ttcttatttg tttgtttatt tatttaagac agaatctcgc 180
tctgtctccc aggtggaggt gcagtggtgc aatcttggct aactgcaact tccacctccc 240
aggttcaagt gattcttctg ctgcacctc ctgaatacct gggattacag gcatgtgcca 300
caatgcccag ctaatttttg tatttttagt agagatgggg tttcaccatg ttggccaggc 360
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ggattacagc catgagccag tgtacctggc ctcttcacct tccttttgggt ttatgtgtgc 480
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gcaatcctct acccacataa agctgcaatt tcaatatgag ataaaaagat atttcacaaa 600
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<210> 2229

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2229

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ctcaagtcac agtaggggtct atagttatac ctttcttcta gcaatcctct acccacataa 60
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atggtgacat agctgtgggtg atggcttcat aaatttcatt ttctttttta acaatgggtc 180
ttacactaga ttcatttatc ttgaaatggg ggacacactg cagctgcaga cctcaatgta 240
cagtacatat taatggattc agtttttctt aatgtcatga cttttctttg cttcttggga 300
gcactttcca gcatgggttg aaagttgagg cctctttcaa ctcatcactc tttcttctcg 360
ggtccctctc tatggaaaac aggttaagtca aatttcaaaa ctgtgcacta tggttccaac 420

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catagttttcc tttggccact tgccaaagtg ggactttctca ctaatgggag taaaaatgaa 480
ggtttttatcc agattatcag taggatcaca ctggttctgtc attcggtttg ctagacttgt 540
ttcatataac tcagtttcac caatatagca cctttccttg ggcttttctg aaaatatcac 600
ttgtacaaga tttttgtgtg tgagcagatt cgtgagaaga cttgcggtgc caaatgtggt 660
ttatggtgcc atggtgcttg ctcttagctt catctgtcat 700

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<210> 2230

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2230

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taggatcaca ctggttctgtc attcggtttg ctagacttgt ttcatataac tcagtttcac 60
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tgagcagatt cgtgagaaga cttgcggtgc caaatgtggt ttatggtgcc atggtgcttg 180
ctcttagctt catctgtcat gagggttttg tttctcatag tagtgtttct tcctaccaa 240
ttccactaca catcctctcc tacccttttg taaacctgc cccaaacaaa cagagcaatt 300
aatctagaac tgtgttgtcc agtacagtag ccattagcca tataatggcta tttaattaaa 360
tatggccaat taattaaaat taaataaaat tagaaattta aaactctcag ttgccgtaac 420
catatttcag gtgttcaata gccacatgtg ctagtagctt ctacattgga cagtgcagat 480
atacaacatt ctgattacca cagaaagtgc tattggataa tgctaatacta gaataatact 540
gccaaattcc agcaggacta tcaaggtaga tgtaagtact ccaaggcaca ttcctatcac 600
gttccttggt gccactatag aaagtataac ttcttcatta ttccagttgc ccatctggta 660
actattagat caggcacacg tgcacatgca cgcacacaca 700

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<210> 2231

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2231

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cagaaagtgc tattggataa tgctaatacta gaataatact gccaaattcc agcaggacta 60
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aaagtataac ttcttcatta ttccagttgc ccatctggta actattagat caggcacacg 180
tgcacatgca cgcacacaca cacacacaga cacacacaca cacacattaa ttcttacaga 240
ctggatattc taaatttaca agaaggagga aaagcatttt cctaattgct ccaaaatttt 300
ctctacccat aataaagcga gtaccttaca ttattttgca aagaagtccc tcactttcaa 360
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tttaagaccc taattatggt ctacacctatt cccagttcc tgctgagtct ctgaaggtag 540
gagtgggaag tcttgcatg gaaaggcctt cttaggtgca gtagtatttg ttattttaca 600
ccttaacctc aaaggaagtc cttctttttc ttgggatgga gcacttttagt tctcataact 660
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```

<210> 2232

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2232

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ctcacctatt cccagttcc tgctgagtct ctgaaggtag gagtgggaag tcttgcatg 60
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cttcttttct ttgggatgga gcactttagt tctcataact cttctctgaa gtcattgcag 180
agtgggtgga ggaaggtag ggtgatgctt tgggtctgaat tttcttggtg aacttacaag 240
tggatctatc aaaaccagag ggttttttct taaccacacc acccccagaa ttccatttcc 300
tgcagatgta gcagcagcac gtctagccat cttggcccag gcctctggac catgccttgg 360
gagggtctct cctctgcct tgagttccat tagaacttct ccagtggaaa gagtgagtta 420
ctttgccttg gcctggtggg caggcttttt cctctctgac ttggctaaat gaaatgggat 480
ttaaggtagc tctcctgtg ggtaaaagac attttgctct atgctagaga aaaaggagg 540

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tagtggtttc	atctgccact	actacctatg	gatgtgaaca	gaacctctgc	tcctgatgca	600
gacccctggc	cctttcccag	ctcctattct	gttttgactt	ctgcacaccc	ccttttctga	660
ccctgatact	atcccagatc	attattcttc	ctctagtcct			700

<210> 2233
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2233						
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ctcctattct	gttttgactt	ctgcacaccc	ccttttctga	ccctgatact	atcccagatc	180
attattcttc	ctctagtcct	acccttgctc	tagccagtgc	cccagaccca	aggtgagcta	240
agggacagtc	tctcaaagtc	tgggcagaga	gcctcaggaa	gttgggggat	ggctgagaga	300
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cttgtagctg	cttcctgtcc	cataattgtg	agcgttttag	tgtggtgcag	gtgagagacc	480
cattctccca	ccctcaggag	ccaggaaggc	ccaccagtat	ggcagggagg	cctaggcaga	540
gatatacagg	agagcagaga	cgtctggagc	taggtcaccg	gtggtcagca	gggcctcctg	600
cagagggagc	agcctccttt	ggcctttgct	tgtctgactt	ctaatagatcc	tgtaaaaaatt	660
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<210> 2234
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2234						
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ccaatgatgc	atgaatacac	tcttttgctc	aatcttaaaa	agagaaaatc	cctttttttt	240
tttaataaaa	aaagaaagt	atttagtctt	aagattgtaa	aactgtaaag	ttaaataaag	300
tggccgccct	ttggctgccc	tgatcccat	cccctactcc	agcttctgca	agtaaccaca	360
attctcagct	aggtgtatat	ccttcagac	gtctttctat	acatttactt	ttccttattg	420
tttaaaccaa	tttgagttgt	cctttctctt	acttaaatct	gaaagtgttc	ctaaccaatt	480
taataacaat	tgcttcagag	ctgtttattg	aaagggtctt	cgtttcatac	tgacataaaa	540
cgccagttgt	gttagaccct	ggccaggcct	gcttcctcaa	agaccagag	taaacatgaa	600
ctgtaaactc	caaaactgta	caactagttt	ttaaagaaag	attgcccaag	atactggcac	660
aagacttttt	aaggcctagg	atttgcata	tagacctatg			700

<210> 2235
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2235						
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caactagttt	ttaaagaaa	attgcccaag	atactggcac	aagacttttt	aaggcctagg	180
atttgcata	tagacctatg	taatgtggct	tactgaagag	cagagtctct	gctttctttg	240
gtagtgtaag	ctctttctgg	tgctcacaca	ggaaggactg	taaagggcag	tgagggctcg	300
aatctggact	cttctgacat	gagggacatc	tcattttatg	caggctgcca	agaccattga	360
acttgaggga	tgcttttgct	agaaagcaag	aaaggcagtg	gggagctgca	gccccacat	420
gcaccttcac	ctcaggaaca	tcctttgtac	tttttttttt	aatattgtac	agagctgttt	480
ttttttatta	tacttttaagt	tttagggtag	atgtgcacaa	catgcagggt	agttacatat	540
gtatacatgt	gccatgttgg	tgtgctgcac	ccattaactc	gtcatttaac	attaggtata	600
tctcctaata	ctatccctcc	ccgtccccc	ccaccacaac	agccccagtg	tgtgatgttc	660

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700

<210> 2236

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2236

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ccgctccccc ccaccacaac agccccagtg tgtgatgttc cccttcctgt gaccatgtgt 180
tctcattggt cagttcccac ctatgagtga gaacatacgg tgtttgggtt tttgtccttg 240
cgatnntttg ctnagaatga tgggttccag cttcatccat gtccctacaa aggacatgaa 300
ctcatccttt tttatggctg catagtattc catggmntat atgtgccaca ttttcttaac 360
ccagtcnadc attgttggac atttgggttg nttccaagtc tttgctattg tgantagtgc 420
cacantaaac atacgtgtgc atgtgtcttt atagcagnat gatttataat cctttgggta 480
tataccagtg aatgggatgg ctgggtcaaa tgggtatttct agttcnagat ccntgagnaa 540
tcnccacact gncctccaca atgggtgaac tantttacan tnccaccaac agtgtaaaan 600
tgttcctatt tcnccacatc cncnccagca cctggtgttt cctnactttt naatnancac 660
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<210> 2237

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2237

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atgggtgaac tantttacan tnccaccaac agtgtaaaan tgttcctatt tcnccacatc 120
cncnccagca cctggtgttt cctnactttt naatnancac nnttnnaact ggtgtgagat 180
ggtatctcat tgtggttttg atttgcattt ctctgatgcc agtgatgatg agcatttttc 240
atgtgtcttt tggctgtgta aatatcttct tttgagaagt gtctgttcat atccttcgcc 300
cactttttga tgggtttttt ttcttgtaaa tttgagttca ttgtagattc tggatattag 360
ccctttgtca gatgaataga ttgcaaaaat tttctcccat tctgtagggt gcctgttcac 420
tctgatggta gtttcttttg ctgtgcagaa gctctttagt ttaattagat cccatttgtc 480
aattttggct tttgttgcca ttgcttttgg tgttttagac atgaagtcct tgcccatgtc 540
tatgtcctga atgggtattgc ctagggtttt ttctagggtt tttatgggtt cagggtctaac 600
atgtaagtct ttaatccatc ttgaattaat ttttgataaa ggtgtaagga agggatccag 660
tttcagcttt ctacatatgg ctagccagtt ttcccagcac 700

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<210> 2238

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2238

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ttgcttttgg tgttttagac atgaagtcct tgcccatgtc tatgtcctga atgggtattgc 60
ctagggtttt ttctagggtt tttatgggtt cagggtctaac atgtaagtct ttaatccatc 120
ttgaattaat ttttgataaa ggtgtaagga agggatccag tttcagcttt ctacatatgg 180

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ctagccagtt  ttcccagcac  catttattaa  ataggggaatc  gtttcccat  ttcttgtttt  240
tgtcagggttt  gtcaaagatc  aggtcgttgt  agatatgcgg  cattatttct  gagggctctg  300
ttcggttcca  ttggtctata  tctctgtttt  ggtaccagta  ccatgctgtt  ttggttactg  360
tagccttgta  gtatagttag  aagtgaggta  gcatgatgct  ccagctttgt  ttttttggt  420
taggattgac  tctgcaatgt  gggctctttt  ttggttccat  atgaacttga  aagtagtttt  480
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taccttgggc  agtatggcca  ttttcatgat  attggttctt  cctacccatg  agcatggaat  600
gttcttccgt  ttgtttgtat  cctcttttat  ttcattgagc  agtggttagt  agttctcctt  660
gaagagggtcc  ttcattgtccc  ttgtaagttg  gattcctagg  700

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<210> 2239

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2239

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cctcttttat  ttcattgagc  agtggttagt  agttctcctt  gaagagggtcc  ttcattgtccc  180
ttgtaagttg  gattcctagg  tattttatct  tctttgaagc  aattgtgaat  gggagttcac  240
tcattgtttg  gctctctgtt  tgtgtgttat  tgggtgataa  gaatgcttgt  gatttttgta  300
cattgatttt  gtatcctgag  actttgctga  agttgcttat  cagcttaagg  agattttggg  360
ctgagacaat  ggggttttct  agatatacaa  tcatgtcacc  tgcaaacagg  gacaatttca  420
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gaacttccaa  cactatgttg  aataggagtg  gtgagagagg  gcatccctgt  cttgtgccag  540
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catagatagc  tcttattatt  ttgagatatg  tcccatcaat  acctaattta  ttgagagttt  660
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<210> 2240

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2240

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aataggagtg  gtgagagagg  gcatccctgt  cttgtgccag  ttttcaaagg  gaatgcttcc  60
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ttgagatatg  tcccatcaat  acctaattta  ttgagagttt  ttagcatgaa  ggggtgttga  180
attttgtcaa  aggccttttc  tgcactctgt  gagataatca  tattgttttt  gtcattgggt  240
ctgtttatat  gctggattac  atttattgat  tttcatatgt  tgaaccagcc  ttgcatccta  300
gggatgaagc  ccacttgatc  atggtggata  agctttttga  tgtgctactg  gatttgattt  360
gccagtattt  tattgaggat  ttttgcacgt  atgttcatca  gggatatttg  tctaaaattc  420
tctttttttg  ttgtgtctct  gccaggcttt  ggtgtcagga  tgatgctggc  ctcaaaaat  480
gagttagggg  ggattccctc  tttttctatt  gattggaata  gtttcagaag  gaatggtacc  540
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ttgtttggta  agctattaat  taactgctca  atttcagagc  ctgttatttg  tctattcaga  660
gattcagctt  cttcctgggt  tagtcttggg  agagtgtatg  700

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<210> 2241

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2241

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tttttctatt  gattggaata  gtttcagaag  gaatggtacc  agctcctcct  tgtacctctg  60
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tactgcctca  atttcagagc  ctgttattgg  tctattcaga  gattcagctt  cttcctgggt  180
tagtcttggg  agagtgtatg  tgtcgaggaa  tttatccatt  tcttcagat  tttctagttt  240
atttgcatag  aggtgtttat  agtattctct  ctcttttttt  tttttttttt  tttttgagac  300

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agagtctcac tctgtcacc aggctgtaga gcagtgggtgc aatcttggct cattgaaacc 360
tccacctccc aggttcaagc aattcttgtg cctcagcctc tggagtagct gagattacag 420
gcacacactc ccatgcccg ataatttttt tttttttttt tttttttaag tagagatggg 480
gtttcaccat gttggccagg ctgatctcga actcctgata tcaagtgatc tgctgtctc 540
ccaaagtgtc gggattacaa gcatgagcca ctgcgcctgg ccggtttctg gtataattct 600
tgatcttatt aaggatgctt cctagtagtc ctagtagaca aagaattttt ctcataaacg 660
gatgtttctg ttgagatgat catctttaga ttaaccaatt 700

```

<210> 2242

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2242

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cctagtagtc ctagtagaca aagaattttt ctcataaacg gatgtttctg ttgagatgat 180
catctttaga ttaaccaatt attgtggaga agtacattgg tagattttcc ataatacaat 240
ttgcattcct gggaatgacc ctgcttgata atgactgtgt attcttttaa ttcaatttgg 300
taatgtctta ttctactga gttctacctc agtaaaaatt ttcacaaaaa ctgtgcctag 360
cctccaggct ggggtggcatg ttcttctct atgcaccgag agcaccatgt ctgtcttttt 420
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cagataaggc ctgatttaaa gcaggccttt ggaaaatatg tctagtctgt gcgaaaatgc 600
ttaccattcc cctgacaggg acaagtgcc agtccccata ctagtttagc tttgtgcgca 660
gagccctggc cttgttggtc cagcttatca tgcagacaag 700

```

<210> 2243

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2243

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gacagacttt tgtcttcttc ctaattgtat cctcagtgcc cagataaggc ctgatttaaa 60
gcaggccttt ggaaaatatg tctagtctgt gcgaaaatgc ttaccattcc cctgacaggg 120
acaagtgcc agtccccata ctagtttagc tttgtgcgca gagccctggc cttgttggtc 180
cagcttatca tgcagacaa agccatgtca atactgggtg accccgcttg ctgtgggagc 240
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tcaggactct gcatgcgcct ccacatcttc aggccgaaga ttctccatca cttccaagaa 360
agcacgtcga aatgtgaaag cagataaatc attagcacc tgtgctgggg cttgttactg 420
ttcaacaggg gttctctttc tgggaacct agatacttca tgtgtacct agcagcagct 480
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tttaccagga agcagcgaga gaggcataat ggacacaact ctgtctttct tatagaagac 600
acctgtttca ggccaggcct ttatcttgct gaagctgacc ccactgaagg gtcattgtgc 660
tttggttaga aaaccactgc aaccaaagcc atccagtgc 700

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<210> 2244

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 2244

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gaggcataat ggacacaact ctgtctttct tatagaagac acctgtttca ggccaggcct 120

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ttatcttgct	gaagctgacc	ccactgaagg	gtcattgtgc	tttgggttaga	aaaccactgc	180
aaccaaagcc	atccagtgc	aaagtagtgg	gatccctcat	actggagcag	gcagacacct	240
actgtcccag	tagtctcatg	tcagaaacaa	cactcaacat	acattgtctt	ttgtgcccag	300
cttgggagct	ggtctgtgag	gactgagggg	tcccaggtac	cttgagttct	tgtaaccata	360
cagtggatgg	acacagacac	agcaccatcc	tagggctggc	agatactcca	tgctcatcgg	420
tgccagcctg	ctcatcaaca	gaatcaccca	cctccattct	gtcaccacc	aggtatttac	480
tgagactctt	ctacatgaca	tgtgccattg	agggtactgg	gagaatagca	gcagacntat	540
aatacaaaag	cccctgccct	tgaggggggc	tacctggttt	ccaggtgcac	ccccagttta	600
tctcatgggt	taggtggcac	tatttatgac	tcaccaagtt	tgtgacagat	gatcagtgtc	660
tcccttctgt	ggctgcagtt	tatctgtgca	cagatgctgg			700

<210> 2245

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1) ... (700)

<223> n = A,T,C or G

<400> 2245

tgtgccattg	agggtactgg	gagaatagca	gcagacntat	aatacaaaag	cccctgccct	60
tgaggggggc	tacctggttt	ccaggtgcac	ccccagttta	tctcatgggt	taggtggcac	120
tatttatgac	tcaccaagtt	tgtgacagat	gatcagtgtc	tcccttctgt	ggctgcagtt	180
tatctgtgca	cagatgctgg	catccttcaa	tccaggtctc	aggtttgggt	cagggttag	240
cttgaggcag	taggaagaac	agagctctct	ggatggttta	ggcaagcttg	tccaacccat	300
gactcacagg	ctgtatacta	cccatgacag	ctttgaatgt	gaccaacat	aaattggtaa	360
actttcctaa	aacattatga	gattttttgc	tttctttttt	tttttttttt	tttttttttg	420
ctcatcagct	attgttagtg	ttagtgaatt	ttatgtgtgg	cccaagacaa	ttcttcttcc	480
aaagtggccc	agggaacca	aaagattgga	catctctggg	ttagagattc	agttggtttc	540
ttcaacttca	gttcttggtg	tacagggatg	gcctctgact	tgctccacat	cctcaatccg	600
gccaccacct	ggttttctgc	acacaggaaa	cacttggcaa	tgttggctga	aacaatgagt	660
gagagccaag	tgccaagtgc	tgggctaacc	tcgctcacag			700

<210> 2246

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2246

aaagattgga	catctctggt	ttagagattc	agttggtttc	ttcaacttca	gttcttggtg	60
tacaggggatg	gcctctgact	tgctccacat	cctcaatccg	gccaccacct	ggttttctgc	120
acacaggaaa	cacttggcaa	tgttggctga	aacaatgagt	gagagccaag	tgccaagtgc	180
tgggctaacc	tcgctcacag	ccaattaggg	ataaagtaac	cagggtgta	agagaagtgg	240
aaacagagat	gcagatgctc	caaggaggcc	agacacttgc	cctcctctct	tggtgagtcc	300
tgtgctcaga	aggggcacaa	cggagacgtg	cttgggctgt	ccatacggca	gtctctctgc	360
ggcagtggag	aaagctctgg	tctgtgtgta	tagtgtgcat	gcaggggagt	gtgcatatgt	420
gtgtatatatt	gcctacatgc	acatgcatgt	tcacattggc	tctgggtccc	acaacaacac	480
cattataggg	ccctgcttag	ccatcctttc	tgcagtgggg	gggggggagg	ggaaaggggt	540
tcctgactgc	tgtgtcactt	ttggatagtc	actgtttttt	gtgtgcagca	ctcctacctc	600
acctacccca	cccctagagg	caggcagggt	gatgactgaa	gcatcaggcc	tgtggtttct	660
gtaacaggaa	gtgattttaga	tgctgaaagc	taatttttaga			700

<210> 2247

<211> 700

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2247
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 ttggatagtc actgtttttt gtgtgcagca ctccacctc acctaccca cccctagagg 120
 caggcagggt gatgactgaa gcatcaggcc tgtggtttct gtaacaggaa gtgatttaga 180
 tgctgaaagc taatttttaga tgaaatgata tgggggtttt aaagaatctt tcagggttgg 240
 tttcaggctc aaggcttagc cccctgctcc tcttgccctac aggggacagg cagtttcca 300
 ttgtccttgt cactgtctng ctgggtgaac tcatgcctag ctgggcaggg ttcttaggta 360
 gaaagccagt gctgattttt cctggatttc agaattgtta agtcattgtt tttggccttg 420
 aacaccagag tcctgtgact cagcacaggc ctggctctag gccaaagcaga cacaggacct 480
 cttatccctg gaangggact gcctggaggc tcccaaggat cttgttagga cagagatgtc 540
 caccctcacc caggctgagg cctgggccag aggtcagatg aggcctctgg gccaaaaaaa 600
 gtatcatctt ggggtggcaga cacttaggtg gggcctcttc tcccagttag ccctgtcctg 660
 agcctcttag caggggcggc tttctgacct aggtgccaca 700

<210> 2248
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2248
 gcctggaggc tcccaaggat cttgttagga cagagatgtc caccctcacc caggctgagg 60
 cctgggccag aggtcagatg aggcctctgg gccaaaaaaa gtatcatctt ggggtggcaga 120
 cacttaggtg gggcctcttc tcccagttag cctgtcctg agcctcttag caggggcggc 180
 tttctgacct aggtgccaca ctaaggatcc catcctgatt gagccctgta gattgggact 240
 cctgatagca gcagacacaa aagaaactga ggagtaggca cagaactctg agagtccctgt 300
 cctcctggtg tcgggggtccc actggttggg gaccttggag cctcatggtt tctgtctctg 360
 ccaaggcctg agcacaggaa atagaagggt gggcctccct ggtcacctct gcaagggtct 420
 tcaaagccca ttttaatctg ttgtccatt ccctaggtct tccacagcac ccctatacca 480
 gagaatgctg ctcccattat cagagaagca gccaaatatc agcatgctaa gagagatgtc 540
 ccagggttac atagcttcac tcaggcagca ttggagccag ccaggccagg agcttacctt 600
 gtcccatact accgatggga tgcccagcat tcagggaaaa gagctcactc tgcatatctc 660
 atctagacag cagccagcct catgaacccc taccacaaac 700

<210> 2249
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2249
 cagagaagca gccaaatatc agcatgctaa gagagatgtc ccagggttac atagcttcac 60
 tcaggcagca ttggagccag ccaggccagg agcttacctt gtcccatact accgatggga 120
 tgcccagcat tcagggaaaa gagctcactc tgcatatctc atctagacag cagccagcct 180
 catgaacccc taccacaaac ctgggacctc tggaaagcca agtataagtc tctgccagtt 240
 cttagtccac ccttgttctg ctttgtggtg aggtatagct tgggagatga ggcgaggcct 300
 ataggtcttg gttggtacac aagaagaaac acttctgcct agagaggctg tcgacagaca 360
 tttccaggga cacacagcag acagccttca tggccttcat gaccagtggg tcccttgtgg 420
 aagacaagta ggacaggaca gatgatttag ccagagccaa aactgagctc aaaccgcaga 480
 agaggagagc attctcacia aagctccagt gtttgacgca caatgacgga ggtagatggg 540
 gtgagctaag cctgtttttg agagttccat agaagggtgtc tttgacctat tttcaagggc 600
 tgtggtggta ggaggaattt ttggccacat cataaagagt tttgtggcca cctctgatat 660
 acctagctca ggaagttgta attttccatg attaggttat 700

<210> 2250
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 2250
 aagctccagt gtttgcagca caatgacgga ggtagatggt gtgagctaag ccctgttttg 60
 agagttccat agaaggtgtc tttgacctat tttcaagggc tgtggtggta ggaggaattt 120
 ttggccacat cataaagagt tttgtggcca cctctgatat acctagctca ggaagttgta 180
 attttccatg attaggttat tagtcaccaa agtgattgct gccccagac cctggccct 240
 gtgctgcagg aggctgacag agatgcccct ccagcactgc agccctgcct cccagctgc 300
 aggccagaag ccaaggaggc cctgagtact gatgttgggc cctctgggtg cttcccttgt 360
 ttgtggaacc ccacagcccc attccaactt cttgagcact ttgcctacct caggagattt 420
 aactggggca agaaatcctg taagatctca acaaacggac gtgggtagaa tagctcccag 480
 aaaatctact caagggaaga cccatgtact ccaagggtatc aataatggtg agggactcag 540
 tctgtaactt tctaggacag tttcatttca ttttaaaaat ttaagatgaa agaatttatt 600
 aatggaagta gttcatgaag cactttcagg aaaccacaca ggactcagag ctccttgct 660
 ttagaaagac aggactgtgt cagcctgtgt ggcattcaca 700

<210> 2251
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2251
 cccatgtact ccaagggtatc aataatggtg agggactcag tctgtaactt tctaggacag 60
 tttcatttca ttttaaaaat ttaagatgaa agaatttatt aatggaagta gttcatgaag 120
 cactttcagg aaaccacaca ggactcagag ctccttgctt ttagaaagac aggactgtgt 180
 cagcctgtgt ggcattcaca cctggattcc cagggtgggc ttccttaga aagggagaat 240
 tagttgcagc ccatctctct gtgggaatct cacctggtga gccccttctc ccaaactcct 300
 agagtgtctc accccagctc ctgggctcga ctgggtgcctc tgaggagcgt acctgctgtt 360
 ggaattggcg gagcgtgccc aggctgagga gcgaggagag cctgcccctg ggccctgcc 420
 ccaaagccat gggggcagtc gcatgctttg cttgtcagtt ggtggcattt aggtggcatt 480
 aggaatggtt gttgtttcta attatttgtt tgtttgtttg tttatttgaa agtaatccct 540
 ctttttccaa aggcctgcat gctgccttga ttctggagga gccagggtt ggcccaatga 600
 cccaaatgtt tggaagtctt taagggccct tttcatgccc gtgaagtcac agaagtaggt 660
 aatcaccac ctaccctccc caggtaccgc atatngatgt 700

<210> 2252
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2252
 attatttgtt tgtttgtttg tttatttgaa agtaatccct ctttttccaa aggcctgcat 60
 gctgccttga ttctggagga gccagggtt ggcccaatga cccaaatgtt tggaagtctt 120
 taagggccct tttcatgccc gtgaagtcac agaagtaggt aatcaccac ctaccctccc 180
 caggtaccgc atatngatgt gggctcagag gggctgagaa ataactcagc ctcaaagcct 240
 tagaccgtct tctcagggtn taaccgtcat ctccagtag acaattcagg aagaggatgc 300
 cttgccacac atgaggangt gggagtggca aatgagcagg cgttgcattc agggcagggt 360
 tagaggaagg tttggcagggt gaatgatggt ttgcgtacaa actacagaca agaaattgag 420

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aggacaactg ggtataggtg aggtgactac tctgccctca gaaaagtgga agtctgagtt 480
catgggggaa tgcctcttaa ataacacaga tgggcaaact ccagacatta gtgaaacctt 540
cttcgttaga cattcttttc aggggtttct catacttccc caatcacctt aatcatcagt 600
gctgaccaca actgatacct ttctgggtga ctcaaggcca gtgctcaggc gggccaccgt 660
gtgttgaatc cagctgaaga tgcaggtgca gctggaggaa 700

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<210> 2253

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2253

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ataacacaga tgggcaaact ccagacatta gtgaaacctt cttcgttaga cattcttttc 60
aggggtttct catacttccc caatcacctt aatcatcagt gctgaccaca actgatacct 120
ttctgggtga ctcaaggcca gtgctcaggc gggccaccgt gtgttgaatc cagctgaaga 180
tgcaggtgca gctggaggaa ggactagccc tgaatgggca ccaaccccaa aagaatccac 240
tgactgtcac ttaggcaaaa gttccgcagt cacattgctt ttggatcctc cgcctcactc 300
ttcctgagag gtatttggtg caaatagccg gacctctgga gtgggagaca cctgactcca 360
gttcctgcca cttcctcctt cctgctagtt gccagacctt ggacagtttg gtaactttga 420
atttgccccct gtcaaattna ttcatttact catgcactca ctcactcatt cactcaacat 480
aaattcctga gtagcttcca tgtgccaggt actagtttag gtacttggga gtgatcagta 540
gaggaaatag gtaagtgttc cgccttcaga aatgtgtatc atggcatggg aggtacaaaa 600
taagcaacaa agctgttaac aagttagaaa gtggtaagtg ctatgggaaa aaacagagca 660
agataagcag tgcttggagt ggtggtagaa ggggctgcaa 700

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<210> 2254

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2254

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tgtgccaggt actagtttag gtacttggga gtgatcagta gaggaaatag gtaagtgttc 60
cgccttcaga aatgtgtatc atggcatggg aggtacaaaa taagcaacaa agctgttaac 120
aagttagaaa gtggtagtg ctatgggaaa aaacagagca agataagcag tgcttggagt 180
ggtggtagaa ggggctgcaa tcttaaacag tatggacatg gcagatctct gagaaaataa 240
catctgagca aagacttgaa ggtgttgaa gctgttagccc cttttaggca cagggaagag 300
ccagcgcaaa ggctctgagg ctggtgtggt caaggagcaa catggaggca agtgtggctg 360
gagcagaatg agtgagcaga gagggtcaca ggggaaaaga aagtgatgga aagataaagg 420
ggaagatgat gcggaccttg caggccactg tgggaactat ggcttttctg tggtaaaaca 480
cagaactcca agagggtttt gaacagaggg ctatgatctg actagagcat aacaggatca 540
ctctggctgc tgagttgaga atagattata gagcagggaa caggtagaag cagggaatt 600
agctaggctt ccaactgaagt atattctaga agataatagt ggctggaatc atcatggatt 660
cagtggaagt ggggagaaat gagaaatggt ggattctgga 700

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<210> 2255

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2255

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gaacagaggg ctatgatctg actagagcat aacaggatca ctctggctgc tgagttgaga 60
atagattata gagcagggaa caggtagaag cagggaattt agctaggctt ccaactgaagt 120
atattctaga agataatagt ggctggaatc atcatggatt cagtggaagt ggggagaaat 180
gagaaatggt ggattctgga cctgttttgg aagaagaatc atcagcattt gctgatggct 240

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tagatgttga	gtatgagaga	gagatcagag	ttaaggatga	ctccaagggg	ttttctctga	300
gcagctggaa	agaaggattt	gacctcaact	gagacaagaa	gactatatgt	ggggcaggca	360
tgaaggggaa	gatttagagt	tcacttttagc	acacataaaa	tgggataatt	atacttcaca	420
ggctgtagt	agggttaa	atgataatat	atgaaagggtc	ttagtactag	caagctctta	480
gtaaatgtca	ctttcccttt	ttctttctca	aagagggtggt	gaagcatgaa	cagctggggg	540
cccaaacca	atttgactaa	ttgcctttct	gtagaagtaa	tgtgccaatc	agatgccaa	600
acagcctcct	ccctgtgggt	ttctcactct	tcaggaaact	ttcactgttg	ctaacagggg	660
ctttagattt	gtcaaagggt	tctcgggtgat	gttgacacac			700

<210> 2256

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2256

ttctttctca	aagagggtggt	gaagcatgaa	cagctggggg	cccaaacca	atttgactaa	60
ttgcctttct	gtagaagtaa	tgtgccaatc	agatgccaa	acagcctcct	ccctgtgggt	120
ttctcactct	tcaggaaact	ttcactgttg	ctaacagggg	ctttagattt	gtcaaagggt	180
tctcgggtgat	gttgacacac	tgatgtgatg	atgagtttct	gcacagggg	cactgtggcg	240
cccagacagc	ctccatctat	gtgctcaccg	tttccatata	agtcactctg	ctgggtgtcac	300
atgagcaaga	ggcatgatct	cttcagcaga	acagtttggt	tctacagaca	cacaccgaca	360
tccatatcac	tccttgtccc	cccaccccca	ggttgttatg	ggactgttga	aaaattactt	420
acctgtgagg	taggtactat	tattccatt	ttatagatga	agaacaaagg	ttcagagagg	480
cttggtatat	gaattaagtg	aatgagtata	tgcaaaaatg	cttagtacca	ctgtgcctag	540
aacttagtaa	atgcttgaga	aagggttaacc	attgttaata	aatgttaatc	attgtcagta	600
gttcaagaaa	ggaaggattt	tctccaaaac	tacacttttg	ttataaaaga	cagtaggctg	660
acttaacatt	aggtcacac	tttatcttag	ctatttgaat			700

<210> 2257

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2257

aatgagtata	tgcaaaaatg	cttagtacca	ctgtgcctag	aacttagtaa	atgcttgaga	60
aagggttaacc	attgttaata	aatgttaatc	attgtcagta	gttcaagaaa	ggaaggattt	120
tctccaaaac	tacacttttg	ttataaaaga	cagtaggctg	acttaacatt	aggtcacaac	180
tttatcttag	ctatttgaat	catttgattc	tgaataatat	tgttggcatg	tgccacatta	240
caatttttaa	atgaacaaaa	caaaaaagg	tatagtctgt	atagtagaag	cattttcata	300
cagggaataa	ttggatatac	ttgactttat	ggatgagaaa	atccagggtac	ctggaaggat	360
gctacccaag	ggccatcttt	ggatatggga	tgctctttac	ttgtttgaat	ttttaacagt	420
aaacttaaat	cattcttagg	acaatagggt	agtttgtaaa	gatgtctctg	aaatgtccgg	480
taagatttgt	gtggtacctg	tgtgattaac	tgttttcagt	ggttacattg	ctttatctga	540
ggggccacct	gactgtgctg	acaccatgat	ggacagccca	agtcagggtg	catgagatag	600
tgaggcctag	caaaacagat	tccttagaag	tgccaaaact	tccctcttca	gctgagggtg	660
gtgactgctc	agacccagag	cogtgcacat	gcttagtcat			700

<210> 2258

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2258

tgtgattaac	tgttttcagt	ggttacattg	ctttatctga	ggggccacct	gactgtgctg	60
acaccatgat	ggacagccca	agtcagggtg	catgagatag	tgaggcctag	caaaacagat	120
tccttagaag	tgcccaaact	tccctcttca	gctgagggtg	gtgactgctc	agacccagag	180
cogtgcacat	gcttagtcat	ttgatcactg	tctgagaaag	ccttctctct	gggtagaaac	240
gtaagaacaa	cttgagggtt	gtagtatccc	tctcaagctt	gtccaatcca	cggcctgtgg	300
gccacatgcg	gccagggaca	gctttgaatg	tggcccaaca	caaattcata	aactttctta	360


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aaatattatg agactttttt cttttaagct catcagctat cattagtgt ttttatgtgt 420
ggcccaagac aattcttctt ccattggggc ctggggaagc caaaagattg gacacccctg 480
ctctatacac tgggttggtg tgagtgaggg ctcaggtaaa catgagacat ctttgacagc 540
ttcaggataa caaaatctct aggtccagaa gttctacttg caggcctcct gtagaactgg 600
catatatgag aacaggaatc tcatctttat tctgtttaaa tcctggagat ttgattcatg 660
gcacctgcca gtgtggacat ttgcatgtga atctcagata 700

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<210> 2259

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2259

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tgagtgaggg ctcaggtaaa catgagacat ctttgacagc ttcaggataa caaaatctct 60
aggtccagaa gttctacttg caggcctcct gtagaactgg catatatgag aacaggaatc 120
tcatctttat tctgtttaaa tcctggagat ttgattcatg gcacctgcca gtgtggacat 180
ttgcatgtga atctcagata cactggcttc attagcctgt aaaacagttc aagagacagg 240
ccaagttccc aaatggtctc tcaagaaagc tataaaattg tgcagaagca aaacatttga 300
gtacctgcct ttcagccatg atgttttcta tattggaagc ctagtatcat cctgattcaa 360
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catactctct gaccattggg gtcccactac cgggtaccaa actgtgaggg ggtatattac 480
tggatgtgtc acagacatcc accctgcccc acaccactga gatttgctga ttggagtgc 540
tttaatggat aatttctgcc ccaacactga atgtcacac aaggcccttg actcttcct 600
ggatttccca tttatgcttc aattgtcctt gcttccattt ctgccccctt caccttggca 660
tccccagccc tctgctttga tatctttgtg gcttggtatgc 700

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<210> 2260

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2260

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accctgcccc acaccactga gatttgctga ttggagtgc tttaatggat aatttctgcc 60
ccaacactga atgtcacac aaggcccttg actcttcctt ggtattccca tttatgcttc 120
aattgtcctt gcttccattt ctgccccctt caccttggca tccccagccc tctgctttga 180
tatctttgtg gcttggtatg tgagtggaga ggagagctct ctttggtggt gagcaggaga 240
tgactagtgg acctctgatg acaattgact ctctctcctc ctggcagccg ccttcctctg 300
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aagctgctac agaccaggag gattccagct tggacacctt atgaccaatg agctacaact 420
tcagtgggca tcatctgggc atcagcttgg attatgacca ggtcaagttg ctgagtgcc 480
ggcagtcaac aagcaactgc tgtggcgctc acctgtcaaa gttctgtcag ttcaagatgc 540
aagagcacca ggttgaaggg cacttgctgc atgtcaagtt cagttctttt tatgattaga 600
gtcagagttc cctgcaagtg agaacagagc ccagctagac ctggccccag ggctcccttg 660
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<210> 2261

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2261

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cacttgctgc atgtcaagtt cagttctttt tatgattaga gtcagagttc cctgcaagtg 120
agaacagagc ccagctagac ctggccccag ggctcccttg ctgtctgttc cctcttcctt 180

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ctggatactt ctggccctgt cccagggcat ttgacagggg cctccaagta cctaggccaa 240
ctgaggagca gaggtagagg tggtgaaaag cctccacctg ccaagacctt gagcactgaa 300
cccaggcagc ctcctgtgcc ccagcctctg tcctctattc ctttgtgagc ctttctttga 360
ccacttctcc ccctttttac cctcactctc cagttcaggc catcaactct ggcgaaagcaa 420
atataaaaaac cttctcactg atcccccttac tgacttttgg ccagcacagt agcctgaggg 480
atccttttaa aacataaatc cagctccttc ttgtcagtc ggtctcagcc aaatgtcacc 540
ttctcagaaa ggctcccatt gaccatctan aatcttccat gccatcatca catattctat 600
ttattttatt tttattttta aaatagggtt aaagggcaca agtgtgggtt tgttacatgg 660
atatattatg tagtggtgaa gtctgggctt tcagtgtagc 700

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<210> 2262

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2262

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gaccatctan aatcttccat gccatcatca catattctat ttattttatt tttattttta 120
aaatagggtt aaagggcaca agtgtgggtt tgttacatgg atatattatg tagtggtgaa 180
gtctgggctt tcagtgtagc catcacctga atagtgaaca tcgtacccaa taggtaattt 240
ttcaaccctc actccctccc atcttttgaa gtctccaatg cctgttattc cactctgtat 300
tttattttat tatctccact gacattatct tgagcattct tttgtttact gctttactgt 360
cttctttact acctgttaag catcaagagg gcagacaatt tgtcccgcat ngccctaattg 420
cccaggacag tgccgtgata catggtaaatt tggactcaa aaagtattta ttgaatgaat 480
gaatgaatga atgaatgaat nnnnccattc ttaagaagag ctcacattgc cagtcactgg 540
gctgtcaagc agtctcagc ctgacttgag tgctgagtgg agaggagagc ctctccttgt 600
ggcgagcaag gcatgagcct gccataacc caggagttac ggggcaaggc ctcttggcct 660
agtggatgcc agccagtagg ccacgggtct ctttaaaagc 700

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<210> 2263

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2263

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nnnnccattc ttaagaagag ctcacattgc cagtcactgg gctgtcaagc agtctcagc 60
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gccataacc caggagttac ggggcaaggc ctcttggcct agtggatgcc agccagtagg 180
ccacgggtct ctttaaaagc aacaggaagc caagtcctgg agataagaag tgtggctgcc 240
agcgtgatag aggtgggaag agggctgaag ggtggagagg tgggggctgc cgggcacctc 300
tgtgctgctc cctggggatg cccagacctc tgtggctggc tggccagcac cacatgcttc 360
ctgtggagag caaggagagg agatcccctc caaaggccct ggagctggga ctgcccagc 420
agcctcacc ttgtcctcac tgtgggtggt aagacgcagg gctactgtcc cacttctctg 480
ccattcatgg acactagggc agctgccata gggcaagtgt catatccatg tgctctctgc 540
acctggctcc ctgtgcttct ctgtgtttta gactcttcat tgggtacaatg gattcctcca 600
cactgggtgat tgtgaagagt ctgggaagtc tgggaggaac tggggactgg gggctagagt 660
ctcaaggagg agtgaggggtc tggagggctg agatactaga 700

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<210> 2264

<211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2264
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 ctgggaagtc tgggaggaac tggggactgg gggctagagt ctcaaggagg agtgagggtc 180
 tggagggctg agatactaga tatgagaggc agcccgggtg tgggtggatgg gctggcaggg 240
 gctagctagc atttgatgc aacataacaa agacctggca tccctttcag tgtctcatcc 300
 cggctgggtg atgccaaagta gcaggaagag tgatgaaagg gcacctgagg agactcagag 360
 actttggttt aagtgttgta tctgccactg tctggcagac aagtcgtttc tctgctcaca 420
 gcttcagtga tgcgtctgtg aaacgggtca tgttctctct ctcacatgat cgtggtgagc 480
 attaaggaaa ttatgtaaat catttcagtg actcttcagg cttcngctcc ccattcctgc 540
 tgggggtcatc tcctaggata gtgaggatgt ctgtggacac aaactaagga agccagaaaa 600
 ccgctgtcct gactcagtgt cttgccccac cctggcctct ggcccagatt ctggaggcct 660
 tagtcagggg gtgggggtct gtttgcccag agctgggggt 700

<210> 2265
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2265
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 cttgccccac cctggcctct ggcccagatt ctggaggcct tagtcagggg gtgggggtct 180
 gtttgcccag agctgggggt tccctataga tcctgtggga cagaacaagt gcagcccact 240
 ggaaagccct tgaaacagtt ggatgtcacc ctgtctgaga ggagcttaaa gctgccagaa 300
 cggactgggtg gactgggttg atccgcccc ttgggaaaat ccaggcatga gctgtcacct 360
 ggacctgagt acagttcctg tccatcctgc actagcgagg ccattgggga tgctcagaag 420
 gggaggcgtc gcgtgaaacc tgcttaatat acagcctgtc caaagggtccc agcccccagc 480
 cacctgaact gccaggactg ttccatttcc ctatcctcca caggcctgcc ccgaggcccc 540
 tgncaacaaa tgtcacttcc ccacaccaac ctgcttctcc caggattggg atttctgac 600
 ttctatgttt ttcatggctt ctttgatgcc accgctcctg tttctctttc tcctctgtga 660
 ccagttctta caagcctctt acacagctgc ctctctctct 700

<210> 2266
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2266
 ttccatttcc ctatcctcca caggcctgcc ccgaggcccc tgncaacaaa tgtcacttcc 60

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ccacaccaac ctgcttcctc caggattggt attttctgac ttctatgttt ttcattggctt 120
ctttgatgcc accgctcctg tttctctttc tcctctgtga ccagtcttta caagcctctt 180
acacagctgc ctctctctct gcccatcttc taggtttcca agttccttgg ggcttgggtac 240
ttctctcttt ggctacccta caggctctcaa acttgcggtc taaaggccaa atcaagggtct 300
gcaccctcca acaagggtcc ctaccttttc ttaacctgcc accctacaaa caacacttca 360
gactagtggg gttcccagac atgtttctgc atgccccctc ttggggagaa actccacgat 420
tatggagcca tcctaaatgc gagctactag gtccagattt ctttgatcta gcttcagcct 480
atccccacca cacctcttac cagatcacct ggcttgggtg aagggtcttc ttttaaggcat 540
cccatcacia gcatgttttt ctctgccccct ttgccacctg gcaaacgact cctcctcttt 600
tcatagactg accaagaaac tatagccgcc ccaaccaga tgatactgat tctgctcact 660
actgctaggg acaaaagctg cctgacagggt gtctctgata 700

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<210> 2267
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2267
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ctctgccccct ttgccacctg gcaaacgact cctcctcttt tcatagactg accaagaaac 120
tatagccgcc ccaaccaga tgatactgat tctgctcact actgctaggg acaaaagctg 180
cctgacagggt gtctctgata cctggtgggt gagatacagt gagtactcaa tattagatgg 240
ggagaggggac cctgtagcca tttctctctga ggagttgagt acctgagaat ggcagagtga 300
ggctcttccc tgggcttatg tgtcacaata ggaaagcaac agaatcccag ttgccagggt 360
tgtggggggga agcgtgggtt gtaagcatca ggctctgacc catctgcccc gggacaagat 420
ttgtacaggc tttttaagggt ggtcttgtgg atgctgtgat acacagctca gacccccctg 480
ccccatcccc tttatgaatg aaagatttat ttcaccagct ggtgggagag ctgccagaag 540
acagccccag ctgtcagccc tattttggac tactgctaaa aaataattgc cttgtgtaag 600
gtcacacctc cttctgtagg gagcccacgt ctaccaactg ataaatatga aggtataaag 660
gcttggctcc ctctccttct tgggaaaact ctgaaggatc 700

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<210> 2268
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2268
aaagatttat ttcaccagct ggtgggagag ctgccagaag acagccccag ctgtcagccc 60
tattttggac tactgctaaa aaataattgc cttgtgtaag gtcacacctc cttctgtagg 120
gagcccacgt ctaccaactg ataaatatga aggtataaag gcttggctcc ctctccttct 180
tgggaaaact ctgaaggatc atcacagatg agcactcctg gtctcagctg gaacctcggc 240
tggaattgca tagtagctcc acttctcctt ttgcctagtc ctgtttcagt cctcatttcc 300
actgatgttg accccaagat cttttcctaa taaaggctct acatgctcat atcctactca 360
gtctgtttcc tatagaacct aatctatggc atctggcttt aggagtgaac gaaaaaaaat 420
gagatgctaa gatatgattt tggagctgga tcatccactg ttggctgcca atgaggactc 480
ccatcacagg tggcagggtga agcagacagc ttttgcccc a tggtaataat tgttaaaact 540
tttacctatg ttggaagaga atgcattaga tgggtgcagt cctcagggtg ttgagaaata 600
tgggggaatt agccactgca aggacaatgg aattgctaag cttgactaac tttcagtaaa 660
agaaaatgga gagcttagag tgattaattg gcaatgaaaa 700

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<210> 2269
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2269
agcagacagc ttttggcccc tggtaataat tgttaaaaact tttacctatg ttggaagaga 60
atgcattaga tgggtgcagt cctcagggtg ttgagaaata tgggggaatt agccactgca 120
aggacaatgg aattgctaag cttgactaac tttcagtaaa agaaaatgga gagcttagag 180

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tgattaattg	gcaatgaaaa	cataagcatg	aaagccgtag	gcctcttttg	tgcattctata	240
gaaaagaaga	aaaagcagag	aatcagaccc	agacttctgt	caaagtagtt	aagcttcaaa	300
gaagggttata	ttcccaacca	aggcaggtct	tctatgccaa	gggcagagcc	ctgggtgggg	360
aagaatgaga	ccctgacacg	tgggatgagg	acctctgttg	cacctgaata	tcttgaatcc	420
tcagatttca	ctaaacactc	tggacctgca	gaagtgcct	actcatctct	gttaaaagct	480
agaacttgct	tcttacttta	aaaagaaaat	gcggaggctt	ctgtcctgca	agacatgctc	540
tcattccatg	ttacctcttt	gtgctaggcc	aataactagg	gttaagtcaa	aacctaacct	600
ggccagacat	gctgaacttg	ctagtgtaga	aaaggactat	acctcaaagg	aaattctggt	660
catatccaga	gagtactagc	aggagcttgg	agagtatgca			700

<210> 2270

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2270

aaaagaaaaat	gcggaggctt	ctgtcctgca	agacatgctc	tcattccatg	ttacctcttt	60
gtgctaggcc	aataactagg	gttaagtcaa	aacctaacct	ggccagacat	gctgaacttg	120
ctagtgtaga	aaaggactat	acctcaaagg	aaattctggt	catatccaga	gagtactagc	180
aggagcttgg	agagtatgca	caggactgga	ttctggacca	agggggtgga	acagaaattt	240
gaacaaaaga	gtttatggat	atgggaacat	tcttccagga	taaagtattt	aaaactgtgg	300
caaggcccca	agagatggtg	caaatacatc	gtttggatgg	ctcctagaag	catggaaaga	360
ggatggccca	tattaagtga	gggtagccag	aatggctatg	gcagactatg	aaggacgtgg	420
gtgtgcagga	ataaatatac	taagcaaat	cagaatactc	gcctgagggc	caagaagata	480
ccaaaacaag	aatgtattg	gaaagaaggg	caccagtatc	accaagaact	aaaatggtgg	540
ctaaaatagg	ccagcattga	taggaaatgt	cacagaactg	ggctcactga	tagcagtagg	600
ggtgatagga	ctctgagata	atagaggcca	agtcatagca	cttggcccag	ttgtctgggt	660
ggcaagattg	gaatggctgt	taagagggcc	tggctcccgg			700

<210> 2271

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2271

gaaagaaggg	caccagtatc	accaagaact	aaaatggtgg	ctaaaatagg	ccagcattga	60
taggaaatgt	cacagaactg	ggctcactga	tagcagtagg	ggtgatagga	ctctgagata	120
atagaggcca	agtcatagca	cttggcccag	ttgtctgggt	ggcaagattg	gaatggctgt	180
taagagggcc	tggctcccgg	ggagttagtg	acatgggtta	taaaacatag	catctggagg	240
gtcacaaatg	atggccagcc	aacagtgtctg	cgggttattc	tgtgcaagaa	aaagaaatca	300
atcatggata	atgagtccag	tcaccccaat	aaaaagtaac	ctgccgagtt	tccagatctg	360
aaccagtttt	cagacttaga	acctactgat	tgaagaagat	gccagatctc	ccagaaggaa	420
gagtcccaca	ccaccacagc	aagtgtgcat	gataatgatt	tccccagccc	tttcccaggg	480
ggacctgttg	gcacttaacc	tggatagcta	catactagga	aagagaatat	cctaactatg	540
gaaagactat	tgaacccggg	attagaattg	acattgtttac	ctaggtacct	gaagtggcac	600
caaaatcctc	tcattagaat	gaggggtata	tgtgggccag	gtgatagatt	cctggcctga	660
gttctgctaa	tagcaggtcc	tctgggtcca	cagacccaca			700

<210> 2272

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2272

tggatagcta	catactagga	aagagaatat	cctaacatgt	gaaagactat	tgaacccggg	60
attagaattg	acattgtttac	ctaggtacct	gaagtggcac	caaaatcctc	tcattagaat	120
gaggggtata	tgtgggccag	gtgatagatt	cctggcctga	gttctgctaa	tagcaggtcc	180
tctgggtcca	cagacccaca	gtgatataat	cagatcaaca	cacttgataa	ttagcacagc	240
ccctacattg	ggctccttggc	ctgcatggtg	agagtgatca	tagtgaagaa	agccaagtgg	300

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aagccttcaa aaccttccca ttccaggcaa aatagtaa at caagaaca atcacattcc 360
agggttaatg gcagaaatta ttgccaccat tatagaccta aaagggagtc cgtcatatct 420
tcatttaatt taccagcaaa acccagttaa atcctgaa atgacagcag gctactacca 480
attcaacagt agccccattt gcagccactg tgcttgccaa atgtgtcttc actacaacag 540
attaacatgg gctcaggcat acagtgtgta gctgctgatt tggatgaatcc attcttttcc 600
acccctgtta gaaattgttt gcattcactt gggacaaaca acagttcaaa tttccaaggc 660
aaagttaact ctctgcctct ctgtcataac atagttccaa 700

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<210> 2273

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2273

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gcagccactg tgcttgccaa atgtgtcttc actacaacag attaacatgg gctcaggcat 60
acagtgtgta gctgctgatt tggatgaatcc attcttttcc acccctgtta gaaattgttt 120
gcattcactt gggacaaaca acagttcaaa tttccaaggc aaagttaact ctctgcctct 180
ctgtcataac atagttccaa gaagtctgaa ccacttgggc atcctgcaga acatcacact 240
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atgcactcca gaagataaac cctatgaata ttcacagcct gccacatcag tgaagttttt 360
aggaatccag tagtctggag cgtgcagaaa attcccacca aagtatagga caaatcacta 420
tgtcttgtag ttcccaccat gaagaaggaa gcggaatgtt tggcaggcct cttagggtta 480
tggatgcaac ctatatggat gaaacctatt acacacttgg gaatattatt ctgaaccata 540
tacctggcag tgacacaaaa gcctgccatc tttgagtggg gccccaggca ggaaagggct 600
ctttggctgt agtacatgta gccctgccat gtggggcata tgagtcatca gatactgtgg 660
ttttaaaggt atctgtactg ggaaaataca ctgtccctag 700

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<210> 2274

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2274

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gaaacctatt acacacttgg gaatattatt ctgaaccata tacctggcag tgacacaaaa 60
gcctgccatc tttgagtggg gccccaggca ggaaagggct ctttggctgt agtacatgta 120
gccctgccat gtgggccata tgagtcacat gatactgtgg ttttaaaggt atctgtactg 180
ggaaaataca ctgtccctag ggttctggaa caaggccata ccatctgcac tggagaatta 240
catacctttt gaaaaacagc tgtgccatgc ttctgagcct tggtaggcct ggagggcctg 300
actcagtgac catgcagcaa gaaccaccat gatgaattgg tttttgtgag acctactaag 360
ccataaggctc aggtgggctc aacagcaatc catcataaga tgggaagtgg acaactctaa 420
ccaatgagca ggattggaag acacaaataa gctgcagggt caagtgacct agaaccctgt 480
accatccaac tccaggacac caaaaccttc cccagctca catctatggc tgcatgggtg 540
atcccttgtg tccagctgat ggaggatgta aaagctcaaa cttgattccc aaataagttc 600
agatacaata ctcggcctca gggagatcaa gagaccacc cactgctagg tgactacatt 660
agccctctta taccctgaa gggccagtga ttcattttga 700

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<210> 2275

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2275

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caaaaccttc cccagctca catctatggc tgcattgggtg atcccttgtg tccagctgat 60
ggaggatgta aaagctcaaa cttgattccc aaataagttc agatacaata ctcggcctca 120
gggagatcaa gagaccacc cactgctagg tgactacatt agccctctta taccctgaa 180
gggcccagtga ttcattttga caagaataaa gacacaattt aagcatgagg ttgcctttcc 240
tggtgcagg gccacagcca acatcactat ccaagggcct tcagagtttt tattcccctg 300
gtatgggagtc tcacatagca tatcagactg agggatctac tttatatcaa agaaagtgga 360
agcacaggctc catgaccata ggatgtgcta gtcatatcac atattgcacc actcagggtg 420

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tgtcagtttg	gtagagtgtt	gggcaacagc	ctgttgatgg	catagttgaa	gcaccggctt	480
ggggtgctac	tttacaggat	aatgaactat	tcttcaggat	gcagttctca	ctataaatca	540
aagaccttat	atggagctct	gttccaatag	gtataatata	agagtttcag	aaccaagaga	600
taaaaacagg	agtggccccc	tttactatca	ttcccagtg	cccacttgga	aaatatatgc	660
ctcccatccc	tgcaaactctg	ggctctgtgg	gtttggagat			700

<210> 2276

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2276

aatgaactat	tcttcaggat	gcagttctca	ctataaatca	aagaccttat	atggagctct	60
gttccaatag	gtataatata	agagtttcag	aaccaagaga	taaaaacagg	agtggccccc	120
tttactatca	ttcccagtg	cccacttgga	aaatatatgc	ctcccatccc	tgcaaactctg	180
ggctctgtgg	gtttggagat	cctgggtccc	caggagggaa	catttccagc	aaaagtccca	240
ttagactatc	agctagggat	gctgccagg	cacttcagcc	ttcttggtgc	tagggacaag	300
caggaaagaa	aaggagggtac	catcttgga	ggggtacctg	agcctgatca	tcaggaggag	360
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aggagatgat	gagtgtcatt	tgtggccctg	agatcaactg	caacagcagg	gactgtagtt	660
cattgtgaac	cttcctcttc	taagtctccc	agaagtagaa			700

<210> 2277

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2277

tcttagagat	gaaggattgg	gtcatgctac	cagggtgagcc	agcaggatga	gcaaagggtgc	60
taactgagag	tgagggggaa	tctggaatgg	atagtagagg	aggagatgat	gagtgtcatt	120
tgtggccctg	agatcaactg	caacagcagg	gactgtagtt	cattgtgaac	cttcctcttc	180
taagtctccc	agaagtagaa	gcctgctgga	accattgggtg	tgctagagct	ggctacttgc	240
tcgtgagatc	ccattgctaa	agttgttgcc	agtctgtttt	taaaccggtg	gtagtgcacc	300
gatggtagga	gtatttatac	catgatagtt	tttttttctc	tttttttttt	ttttggagaa	360
ccagttattg	atagcacacc	actggaatcc	tggaggagct	gctcccagaa	ccagtgggaa	420
gtgtttatat	gaagaagtgg	atccagaaag	ctcaagggtg	ggactatggg	ggaagctatg	480
atatgctgcc	ctgaacaccc	ttcaggagtc	aaggctctgat	tgccctgct	gaagaaaatt	540
tccgtgccta	aggctcatgct	tccttccagg	ggcagcttac	atccaattac	tgatcaaaaat	600
gaaggcataa	aggcttgacc	tccttgcccc	aacataggaa	gagtctgaag	ggccatccca	660
gctgtagaag	tctccttagg	atcagctgag	acttttgttg			700

<210> 2278

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2278

ttcaggagtc	aaggctctgat	tgccctgct	gaagaaaatt	tccgtgccta	aggctcatgct	60
tccttccagg	ggcagcttac	atccaattac	tgatcaaaaat	gaaggcataa	aggcttgacc	120
tccttgcccc	aacataggaa	gagtctgaag	ggccatccca	gctgtagaag	tctccttagg	180
atcagctgag	acttttgttg	tgactgtatt	ttgtccaaat	tctccctctg	ttcaatcctg	240
cttccttccc	ttcccttcca	tgagcagtc	tgcatgccag	tttctgtctc	agagtctgct	300
tcccagggaa	cccaacctca	ggcaggcagc	ctcgtcatgc	tttcagcaca	acgggtccct	360
gaaagtagaa	aaacctcagc	tcacccagg	ggggttcttg	gaccctacag	cctcagagca	420
gagtgtgttc	aagtcagctt	cagtctctgc	agctatgaag	gggactaatc	accccatcct	480
cacctggcct	ggaattgctc	ccctgggtca	aaacctttta	ggccctcagg	cctctggggc	540

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ctggaggtca tgaggggtgg tgagaagaga aggcggccag gtggagctca acatcctcgg 600
atagtcgtgc aaatgccgga ctatagcctc ttctgggcac cgccccctgt gccaacagag 660
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<210> 2279
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2279
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ttcactgcca gcgttccctc ttgtctctcc atctgtcctt tccaggctct cgctgagtc 660
aactgtctat cagtgtctgt ccgtttactc atcactgcca              700

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<210> 2280
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2280
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actggattgg tgagaggagg cattagggtc tgtctgattc acagtgtctg ccttagccct 660
gagaagagag agagcttcca tttcagttga ggactaagag              700

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<210> 2281
<211> 700
<212> DNA
<213> Homo sapiens

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<400> 2281
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cattagggtc tgtctgattc acagtgtctg ccctagccct gagaagagag agagcttcca 180
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700

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<211> 700

<212> DNA

<213> Homo sapiens

<400> 2282

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<210> 2283

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2283

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taccaggaca	tggcagggga	ctgactaagg	gaccgagacc	tcaagaggaa	cccaggacag	660
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<210> 2284

<211> 688

<212> DNA

<213> Homo sapiens

<400> 2284

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<210> 2285
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2285
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 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2286
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 caatgatggg caataactag agaattacac agacacagcg ttgaatgaaa gaagtcaatc 480
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<210> 2287
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2287
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 aatataaaaa ctactgaac gatatactta agatttgtgc acttcatttg tacaatattg 240
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<210> 2288
 <211> 700

<212> DNA
 <213> Homo sapiens

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<210> 2289
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2289
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 <211> 700
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

<400> 2291

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<210> 2292

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2292

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<211> 700

<212> DNA

<213> Homo sapiens

<400> 2293

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<210> 2294

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2294

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<210> 2295

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2295

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<210> 2296

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2296

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tggagccatc gcctccaccc tttgcagtct aacaggactg catccccacg aggctggact 60
ccatcatgac tctcactcac cagcatttcc acatgctggg ccttattgaa gcagcagggtg 120
tcagttacag aaatgtgtcc ccaggcacca ccaccccaaa taccaccca cacccttgctc 180
tgccggccca gggccagcaa actcacaccc caaccagca gtaagttgtt cctgatgctt 240
ttccaatcaa tttcctgcag tgctaacctc gggagagggc aggagcccag aggctgccct 300
tgatcctctt agaagatttc catccttcta tggatatgat aacactctat aaggcttctt 360
tgaacttggg gaaatgactt tactcaatag taccattctt gggtagtctt gttggctaaa 420
cgagaaatac acatttcagt catcttctta gtaggaaaaa caatgaataa ataaaagcaa 480
acgcttgctc ttccagccat cctctaggag gtaactggca gccctcccca actgtttgag 540
ggagggcaca ggggctgtgt ggtgatggaa ggggtccagag tctgaggact atccatagt 600
ttggagaggg agcccgagg ataggcagggt cccgtggctg tccaggacag ggacataagg 660
acaagcaggc tgggaggagt acccaggact gtctgagcag 700

```

<210> 2297

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2297

```

cctctaggag gtaactggca gccctcccca actgtttgag ggagggcaca ggggctgtgt 60
ggtgatggaa ggggtccagag tctgaggact atccatagt ttggagaggg agcccgagg 120
ataggcaggc cccgtggctg tccaggacag ggacataagg acaagcaggc tgggaggagt 180

```

```

accaggact gtctgagcag tgggaaaaga gggggaggca gctcagtcac ttctccaggc 240
atgccccctgc aaactgctgc tcatcccccc catcatgggt tctcagtggg cttcatcatc 300
caaaagaggc cccaaggaca gggcaaactg gagcaagctt gcactgggtc tcagttcaag 360
tccatgacct cagcctgagt ccatgaccag tccctgctctg acctgtctca gacctatccc 420
atgctgatcc ctgtgcatgg gggcttggca gagagcacag acagaaaccc tgagaatctc 480
tgaatcccca cttcctcaca cccagccctg cactccccac cctccacctt gtgtcagtga 540
gtagactttct tttagattgg agacaattcc agaggatagc cacctgtggc ctaggagtag 600
caccagagac cttgcatgtg gcagtcaggg tgtataaaag ccctttgcct cactgggccc 660
ctggctgtgg tgcagggaat tgatgtctca ggttctgcta 700

```

<210> 2298

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2298

```

cccagccctg cactccccac cctccacctt gtgtcagtga gtagactttct tttagattgg 60
agacaattcc agaggatagc cacctgtggc ctaggagtag caccagagac cttgcatgtg 120
gcagtcaggg tgtataaaag ccctttgcct cactgggccc ctggctgtgg tgcagggaat 180
tgatgtctca ggttctgcta agagcaaatg gcaaaccaatg tactttcagc tttgggcaga 240
ttttgatgag ttattccatg tccatgtaaa ccttcgttat gtgatgggtc tgtttgtcat 300
atgtgttaat gagactcttc aggggtgaagg taaagtctct tgtaaactcc tcatagcaga 360
gctcctgaaa caggttcagg gctctggtgc acagcagggc accagatgac ccagcctcat 420
ccatccctgg tcaacctgga cggaaggagc cctggaccca agctcaggcc ctaccctgat 480
tctcccacaa ggagacctgt ggggtctcgca ggccaaacag tggaggcaat gggcatctgg 540
tctctccctg ggctcagggc tgcacttggg tgggaggctc acctgctgac tgagctggag 600
gtttcatccc cacactctga gctttctccc agatttctca ctccactatc cttgttgtt 660
atctcttccc tgggcactga ctggtgagat ctctctctcc 700

```

<210> 2299

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2299

```

gggtctcgca ggccaaacag tggaggcaat gggcatctgg tctctccctg ggctcagggc 60
tgcacttggg tgggaggctc acctgctgac tgagctggag gtttcatccc cacactctga 120
gctttctccc agatttctca ctccactatc cttgttgtt atctcttccc tgggcactga 180
ctggtgagat ctctctctcc ctgttcaaat gtggtatgaa aggtcccggg gcagctgttt 240
cttacctcac tgggtttctg gggcctattg aagggacccc ggaagccaga gaaattgggtc 300
aggagcacia aggggcaacta agagcaaat aacgtttgat ggagaccag acttatcttg 360
tgtgtgttat tgtcagccga gagttctttc tgaatgtcag cacagattgc tgtgtacttt 420
tcgtggggag atatcgtggc tactttcatt gggaagaatg gctttctgac cccagagca 480
catgagccag gagcacgtac aggtgcatgg tattacttga aggtgactcc aagctgggtc 540
gagccctggg cttggcagca tttctgtgga gaggggtacc tatatatgtg aggctaagga 600
aatgctaaac ctcttatcag tcatcactgg cttacgcgga agacagagag gaccttatcg 660
ctgggcaaga tgtgattttc atgcattttc aacaaccaca 700

```

<210> 2300

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2300

```

aggtgcatgg tattacttga aggtgactcc aagctgggtc gagccctggg cttggcagca 60
tttctgtgga gaggggtacc tatatatgtg aggctaagga aatgctaaac ctcttatcag 120
tcatcactgg cttacgcgga agacagagag gaccttatcg ctgggcaaga tgtgattttc 180
atgcattttc aacaaccaca gcacacttca tggattcttg cctgtgctga cactcaggct 240
tcatcctgag cggtcaccct gacttcttat ttgtaatcac acctgaagtc acggtctttc 300

```

```

tgcattgagca tggagtgggt ctctggccag gcctggcgct gtctgcaggt gctgactgaa 360
gttagaggaag caagaggggt ggtgggcgca tgactgcaga cagtgccagg caggggctaa 420
agctgccaca agccagcttc cttaggcccc cctgtcaagg agaagctggc cctgctgccc 480
gcctaagact tggggcacat ccacttcctc atagtcctgg agggagatga ggggaacagg 540
tcaggaacaa ggccttgagc ccagctgtca aagtaaggag aaggaggagg cctactttgt 600
ttttagcctg caggccatga gttttagggg aaagtgcctg attagattca aaatttcatg 660
taaaaataaa aaccaattca gaaacatgcg gcactacagc
700

```

```

<210> 2301
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2301
ccacttcctc atagtcctgg agggagatga ggggaacagg tccaggaacaa ggccttgagc 60
ccagctgtca aagtaaggag aaggaggagg cctactttgt ttttagcctg caggccatga 120
gttttagggg aaagtgcctg attagattca aaatttcatg taaaataaaa aaccaattca 180
gaaacatgcg gcactacagc catgtaccaa caaattatga ccttacattc tgactctcag 240
agattaagat caccattttt ggggcaagtt tggtaaatac gctgcactgt gaccctctgt 300
gtttgggttc ttttccctg aacagttagt ctattttgct gtttactttc ggaatgggta 360
aatctcagag tgtgaggggc agggcggtgg gcacaggggc caaggcctct acagggcagg 420
tgtcttgctt gatgccagag tgggcctgtt cagccagtga ccagccaacc cccaggcctc 480
cccaggaagg gtggtgccct tctctgggat aagagttccc tgggctgggt acttggactt 540
ccagggtgaac ttgagagcca ttctctgggg tgggagccct ggagcatccc gggaagcccg 600
tccagggtgtg cagaattccg cacctatgcc cggctctcac ctcccctctg ctctgacagt 660
gttggccctt ggatagtgcc caacgcctgg gaggcccccg
700

```

```

<210> 2302
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2302
tctctgggat aagagttccc tgggctgggt acttggactt ccagggtgaac ttgagagcca 60
ttctctgggg tgggagccct ggagcatccc gggaagcccg tccagggtgtg cagaattccg 120
cacctatgcc cggctctcac ctcccctctg ctctgacagt gttggccctt ggatagtgcc 180
caacgcctgg gaggcccccg cccctctctc acctcccctt ttctccctn ccctgcctca 240
tgggaaggca ggcaccnant ggcatttgct catggttaaa aacaaactag aacnntnnnn 300
nnntagaagc ntatttttaa taataattat tacggtaaaa catcttgaat aaatatggaa 360
tatgaactta aataaataaa taaataaata ttttaaaaat ataaatatat aaatattact 420
gattttctgt agtataaaat attcccattc ttctgccatg cctgtatcag ggtcagtgtg 480
gcccagggca ggtccaggcc actcccacca tggctgtggc ccacccttg gtccctccaa 540
gatgaccatc ctgagtttct agctcttggt tcatgagaga gcagctcccc ggcttggcca 600
gcctcatctg gccggtctca ctctgggact ggctcccagc agtcaaaggg gatgacaagc 660
agaaagtctt tcagggttctc tttgaaactt tcaaagggtg
700

```

```

<210> 2303
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)

```

<223> n = A,T,C or G

<400> 2303

```
actcccacca tggctgtggc ccaccccttg gtccctccaa gatgaccatc ctgagtttct 60
agctcttggt tcatgagaga gcagctcccc ggcttggcca gcctcatctg gccggtctca 120
ctcctggact ggctcccagc agtcaaaggg gatgacaagc agaaagtcct tcaggttctc 180
tttgaaactt tcaaagggtga tantctgggt tgcacaggaa gtttccttta aaaaaagaaa 240
aataaaaaac acttgagtc aggcaagtgg gtaacgtggg ggaaggaagc accagcatgt 300
ttctctactg cctcttagaa ctcagaggcc aggaggccca ctccaggaca caccactga 360
cctgggtcag gtgacgtgc tggcaccac gtgttcccca aggagtgc atgctctgcca 420
gtggcagcca gagtcaaggg cctgacttaa gtgccagcct gaggttggcc ttctgggcag 480
tcaaacgcct gccttttttg tcccaggcca gagcaggcca gctgagctga ggtcgtctct 540
gggcaccact aaggagtggg gtcaaggcca caaactttgc tcccttcccg caggaaggag 600
tgctgaggt ccttgtccat tccaagtagc ctcccttctc tgatcctctg caantcaagc 660
accccatgtg gggccagagg aaagtcctgc cagaaggtgg 700
```

<210> 2304

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2304

```
tcccaggcca gagcaggcca gctgagctga ggtcgtctct gggcaccag aaggagtggg 60
gtcaaggcca caaactttgc tcccttcccg caggaaggag tgctgaggt ccttgtccat 120
tccaagtagc ctcccttctc tgatcctctg caantcaagc accccatgtg gggccagagg 180
aaagtcctgc cagaaggtgg cacttggggc tgggcacttc ctctgggcct tgggcaggcc 240
ccaagtcttc ttgggtttgc cctcacctct gacctcatta accantaatg acaataatga 300
ccaggatagg agcagctcct gctggggagc actgtgggct tcagcgtctc gtggctctga 360
ctccttggga tgaaatgggc tgtctgcctc ctctctggag ggctaatacat tacataactg 420
ttggcacaga aacccccctg ggtcctgaac agccacagcc atagatctct ccccatgtcg 480
accncacccc ctagattaag acattcctgc tggaggccct gccgtaggca ctcaccgggg 540
ttggaggcca gtgctgnttg tagtggctgg ccatcatggt caagggggcc ttgagcttgg 600
tgaggctgcc ccgcaggccc tgcttgtaga gctccaggcg ggtctgtagg caggtcggct 660
cctgtggaaa atgtcgttcg tcggtgagca gtggccaagt 700
```

<210> 2305

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2305

```
acattcctgc tggaggccct gccgtaggca ctcaccgggg ttggaggcca gtgctgnttg 60
tagtggctgg ccatcatggg caagggggccc ttgagcttgg tgaggctgcc ccgcaggccc 120
tgcttgtaga gctccaggcg ggtctgtagg caggtcggct cctgtggaaa atgtcgttcg 180
tcggtgagca gtggccaagt gcccacagtg gtacaagaac tctccaccac tcctttttgc 240
tgctgcccc agccccagg agtagggctt gggaggggca caggctgggt ccagtcatag 300
accctgccct gtccatggca ggcacgaacc tgcccttctc actgccccgc ccaggccacc 360
ctcagcggca cctggagagg agcccagcct tagggaagga ggtgactctc accccatcat 420
tcaggagag gggggtgggg cctcacctgg acctgctggg tgggcaaggg ttgttcttga 480
```



```

aaccctctg tgcctctctg tagtcagcac tgtctcaaca ggacttggtc tcggggcaca 540
gtgagcgccc caaaccacac gctcctgtct catgaagtga cccccacttt accacctgtc 600
ccctgggtgac tcctggccat tgaatgctag gtctgcccac ggccgctcag ctgataaagg 660
agctcatgtg actgccatag gggcacggcc agtagcctct 700

```

```

<210> 2306
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 2306
tagtcagcac tgtctcaaca ggacttggtc tcggggcaca gtgagcgccc caaaccacac 60
gctcctgtct catgaagtga cccccacttt accacctgtc ccctgggtgac tcctggccat 120
tgaatgctag gtctgcccac ggccgctcag ctgataaagg agctcatgtg actgccatag 180
gggcacggcc agtagcctct tgagcaccca gttgctaccc cctcctcctg cagccagctg 240
actggagaga aagtggacaa ccctgtgtgg tgccatctaa aatggagtcc ccacctccac 300
cccagggcag gggcttctgg aaagctatgt cagagagaag catcttacct ggaggtcaaa 360
catttctgag atgacttcta ctgtttcatt ctgtagaaaa ggaaaatgtc atgttatcaa 420
gctgacaggc gtggccagtc aggggccagc tgggtggcct aggcacaggc ccacattctc 480
tcacttacca tctcagcagc agtgtctcta ctcaggttca ggagacgccc ggcctcctgg 540
atggcattca catgctccca gggctgngtg ctggggctgg gcgagcgggc ggggtgcagag 600
atgctgcagg ccacagtgcc caagagcagc aggctctgca gccacatcct ccagngaact 660
ttagcctttc tctctgtgta ctgggctcac tggcaaaaga 700

```

```

<210> 2307
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (700)
<223> n = A,T,C or G

```

```

<400> 2307
agtgtctcta ctcaggttca ggagacgccc ggcctcctgg atggcattca catgctccca 60
gggctgngtg ctggggctgg gcgagcgggc ggggtgcagag atgctgcagg ccacagtgcc 120
caagagcagc aggctctgca gccacatcct ccagngaact ttagcctttc tctctgtgta 180
ctgggctcac tggcaaaaga gctcttaaat acacagagga aatgattaat ggtgaccaca 240
aaatgccagg gaggcggggg aactacctga actgtggaat ctctggccc ttatcagcca 300
cacatgggaa cggtgagcct tttccctagg tggtcaggct tgggggtttt cattaatgaa 360
cctttccaag aaccgacagc ccaccacccc gccttctcta gggctctcca gccctccctg 420
ggcagtctga atgggcctga ggctgcccc tcctctgag gggcacagtt tggacttcct 480
ggcctggaat ggctgggggtg gggcggtgga gacacttaga tagggctccc catcctgcct 540
gtaatcccag gggccttttg gcaggctatg cccgccctgg tgcctcattc tgactccagc 600
cttcctcttc tctggccact gtgagagact tgagtgtgag gggagctctc acagacctgc 660
cccaactgaca gttcacatgg gctcccaccc aggacctgga 700

```

```

<210> 2308
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2308

```

```

gggcgtggga gacacttaga tagggctccc catcctgcct gtaatcccag gggccttttg 60
gcaggctatg cccgccctgg tgcctcattc tgactccagc cttcctcttc tctggccact 120
gtgagagact tgagtgtgag gggagctctc acagacctgc ccactgaca gttcacatgg 180
gctcccaccc aggacctgga gcagggggca acctcagtcc agtaaggggg gacccttgcc 240
cctgtgagca gagggaatga ccaccatgtg cacatccagc agcgagactg cagccactct 300
cagcaagctt cagagggggg gtggctgggt caagtcggga cccagagtct gactcttggt 360
tctggagcca ctttcctgag tgactcccct ctctggttat gtgaaccttg attccctctg 420
cagagcaggt ttgccccctc gaggttcgga ctacactcct atatgtagcc cccagaagac 480
accaggagct tcaggctggc tccagggctg tggctgcac catctcaggt acagggacaa 540
tggcttcccc agcaaggccc tccaggctta atttctaca taaccccagc atcccccaac 600
tccagaggcc tttctgtgga agtgtggaag taggaaatct aaaggctctt gaggggctga 660
caagtgtttg attttcacaa tggagttcag agaagacagc              700

```

<210> 2309

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2309

```

tccagggctg tggctgcac catctcaggt acagggacaa tggcttcccc agcaaggccc 60
tccaggctta atttctaca taaccccagc atcccccaac tccagaggcc tttctgtgga 120
agtgtggaag taggaaatct aaaggctctt gaggggctga caagtgtttg attttcacaa 180
tggagttcag agaagacagc acgagtttgt gtttgacaaa ggtatctggc tcaagctgcc 240
ccatgcctgg gtttcatagc taaaggggtg tgggccaca cgtgccatt tctgggtgta 300
tgtgtgctgc tgtgattggt tgtacatata ggtgcctggt agaggggagg atgttttcca 360
tgcagatgca tctattgagt cctcttacct gctttatgaa aggctccagg cctctgaagg 420
tgactctgat actggagaag ctccctactc caggtgcagt gcctctgggc cctagagggt 480
gattcagcct aaaccagtgg ggttgacac aagcgagaac attctgctgg actcaggttg 540
gcgagccttc agagagcagg tggagttcat ggcttagca ctgtggtctg agtctgcagc 600
cctggccagt ttccctgtac tgtgggagtt tttctgacct tgcatagaga aaccaaacct 660
tagtctcca gacccactg tgaggccagc cccatccatc              700

```

<210> 2310

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2310

```

ggttggaac aagcgagaac attctgctgg actcaggttg gcgagccttc agagagcagg 60
tggagttcat ggctttagca ctgtggtctg agtctgcagc cctggccagt ttccctgtac 120
tgtgggagtt tttctgacct tgcatagaga aaccaaacct tagtctcca gacccactg 180
tgaggccagc cccatccatc tgagcctgcg tagaacactc ctagtggcca ggctgggtg 240
ggaacatgaa atgtccaggc cctggccctt tctccacctt ttttgcaagg ccttgggtca 300
gctctttcca gggagctctc gggggagaga tgaggacatg gatactacat gtagatatca 360
catgtgttgg atagaccctt ggaggtgga gggcagggaa gggagccata gatagtgtt 420
cagctgatgg ccagggaggc agagagcctg tatgacccat ctgggagaga aggtcacttt 480
cctcctagaa atgagttgtc atagctcaga cagtcagtca acaagtcttt ccaatccaca 540
ccaggacctg ttctggggag gtaaacggga ccctcccact ggccctcaca tttggccctt 600
gaggctccca gtctggtagg aaacagactg caatggaccc tcccatggtg tgaccttgac 660
tcggcagggg gaagtccaga gctgagggat cccagagggc              700

```

<210> 2311

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2311

```

atagctcaga cagtcagtca acaagtcttt ccaatccaca ccaggacctg ttctggggag 60
gtaaacggga ccctcccact ggccctcaca tttggccctt gaggtccca gtctggtagg 120

```

```

aaacagactg caatggaccc tcccatggtg tgaccttgac tcggcagggg gaagtccaga 180
gctgagggat cccagagggc caccttctct agcttgggga tccaagggga ccagagagct 240
tcactagaga tcctgcctgc aagcccaggc tgaaaaggcta gaagtcaggt gggtagcttg 300
ggttggaagg agaggggcag gagaggacag gggagaatgt tctgggcaca gggagccctg 360
gggttttagg aatgggtata aggaacagca ggcagactcc agagagattg aggaggtaga 420
atctcaacag gacttggtgc tatagtgaag tcactcagtc attcattatt ttttgagcat 480
ctactaggtt cccagcaggg aaaagggaca taaggatgac aaaatcggtc agggtcctgc 540
ctccaaggac tttttaaccc catccatgga ggagcaagat tagtctactc acccccctcc 600
ccccccacca aagtgtgctc tgaatgtgag taagaggagt tagaatcact gtccacatgg 660
ctaaggtgag gacccagggg acaaaggagc agatcttcag 700

```

<210> 2312

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2312

```

aaaagggaga taaggatgac aaaatcggtc agggtcctgc ctccaaggac tttttaaccc 60
catccatgga ggagcaagat tagtctactc acccccctcc cccccacca aagtgtgctc 120
tgaatgtgag taagaggagt tagaatcact gtccacatgg ctaaggtgag gacccagggg 180
acaaagggag agatcttcag agcgtgaggc ccacgggaag ttttggagtt tcagagtctg 240
catgtacagg agacagatct ggcagcggta catgtctgtg tggtagctga ggccacggaa 300
gttattcagg aagaagagct gagggccagc aaagctgtgt ttaagggctg ggacataaca 360
gatgggcaag taacaggcca gtggccaagg gcctaggagg gaaggaaagg aggaaagcaa 420
gagtcataat aagaaatcca tttcggcagt ggtggcctgc aggtgcccaa gtcagcacia 480
acaggacaga aatccatggg tttggtgatg aggtttgtgg gcagccacac atctttctca 540
tggaagatg acatcagggc tgaggccatg acacaggcag gcattcctag attgcaactgt 600
attttaaaca gtgtcaaccg atagccagcc atgctgactc aggggctccg atggggctgt 660
ggcagggcag aggcggggac cacgatgggt ggtatgacc 700

```

<210> 2313

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2313

```

tttgggtgatg aggtttgtgg gcagccacac atctttctca tggaaagatg acatcagggc 60
tgaggccatg acacaggcag gcattcctag attgcaactgt attttaaaca gtgtcaaccg 120
atagccagcc atgctgactc aggggctccg atggggctgt ggcagggcag aggcggggac 180
cacgatgggt ggtatgaccc ctctggggcc ccccttccta cagagacagg ngaaaaccct 240
ctggaaggag tttcctatgc gtgtccaccc cacaggctct gtaggaaaca ggggcttgag 300
tcactccagg atccttatna cgagagacat tatcacaagg ggaaggaaat gggcctcaaa 360
gtcccttcgg taccatggca cccccgcaca ggctttgggg ctgatctgat ccttctttga 420
cctgtccaac ccttgatgag ggttcttggt atctctgggg acctgagatc tgggagacca 480
gtggtcagcc cagtccacac aatcagtgac cgcagaacca gaatttgaac ccataatctgt 540
tcctgctatc ctagcatttt ccattgtctt ggggtcagga agttgggaaa tgctgatcac 600
ctggctggac cagcaggggg tggacccagc gtgctgtgcc cctcaaggca gctgtaaaaga 660
gagatgcctg ccaggtgttc gcaggtaggc tggagtggcc 700

```

<210> 2314

<211> 700

<212> DNA

<213> Homo sapiens

```

<400> 2314
aatcagtgac cgcagaacca gaatttgaac ccatatctgt tcctgctatc ctagcatttt 60
ccattgtctt ggggtcagga agttgggaaa tgctgatcac ctggctggac cagcaggggg 120
tggaccagc gtgcttgctt cctcaaggca gctgtaaaga gagatgcctg ccagggtgtt 180
gcaggtaggc tggagtggcc tgtgactgtc ccagggaagt ctgggctgaa ggcagagttt 240
ccccagcaga tcctgccatc caggcatctc tatgccccag gcttgggctc ttgcccttac 300
ccagccacca ccaatccctg aagcctagga aagtccctcc tcctgagcc tcaacccctg 360
catctgtaca atgggttaat ggccactgcc tcaccgagga aactgttgcc tgccccagga 420
aactctgtgg gagatcctcc cagggaagag acaatccttc aatttctcct ctgcccagtg 480
ctaggggaga tttctgaagc ccaaactggg cagaggagcg aggcctgctg gaggttccag 540
ggacagctgc cccttggcca gccctagccg cagagggcaa ccttctggac acacgtggtg 600
aggtagggag tccggcctcc acctgagtcg gggctcctgg gtccctgcac accgacagga 660
gatcctggta ccgcatggca ccatgagtgg tttgtccttc 700

```

```

<210> 2315
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2315
ccaaactggg cagaggagcg aggcctgctg gaggttccag ggacagctgc cccttggcca 60
gccctagccg cagagggcaa ccttctggac acacgtggtg aggtagggag tccggcctcc 120
acctgagtcg gggctcctgg gtccctgcac accgacagga gatcctggta ccgcatggca 180
ccatgagtgg tttgtccttc ccttgtcact ccaggccaca ccagacatat gaagcaacat 240
ctctggcttc tgccggtttca gccccattct gtccccacgt gcacccccctc tgtctcgggtc 300
cccaaatgta cacctcaaaa agggaagctg ccctcgccaa gctccaattc cagtttggcc 360
tcttggtatt ccaggttcc tggcactggg gagtgccagg gaggcctggg aggatctgag 420
ggtgggttaac cctcaaccac atgtggtctc tgcatctatt cagccaagct tccgggaggg 480
tttgctgcgg agtacgcacc tcacaggccc cttgcactcg gagagctcac ttctggtggt 540
cccatggggg gggggacagg gagcacaagg ccacactca taggcagaga catggagacc 600
atctgctgtg atgggggaga cacaaggtca caggagggtt tgagaggtca gcccatgttg 660
cactggaatg gcaagtttga gagggccaggg gacctccagg 700

```

```

<210> 2316
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2316
tcacaggccc cttgcactcg gagagctcac ttctggtggt cccatggggg gggggacagg 60
gagcacaagg ccacactca taggcagaga catggagacc atttgctgtg atgggggaga 120
cacaagggtc caggagggtt tgagagggtc gcccatgttg cactggaatg gcaagtttga 180
gaggccaggg gacctccagg aagactcagt cagttgtggc catgtgggtc cggaagtcag 240
ggcatttgga agtcactggt aaagaggagg ctcccaacac cagaggggct gtggagagtg 300
agccaggcag aaagtagtgg cggggtgtca acttttgagg atggccaagg acaatgagac 360
ctccttggtt gcttctttgt tcttggggct tccttttttt ccctcaggat ctggcaactc 420
caccatgcac atcactcagg cagaggagtc cttgtggaca caaacgccc atgggtgtgc 480
caggccttcc caccacagt ccctccctga cctgtgtcta ctactcgct ggtgtactcc 540
ctctagggcc agaaatgcat cccctgctcc tgagtctctg ctctgagcct catctctggc 600
tgggaggatc atcaggcacc cagagggggc acagcctatg tgtgccctct tgggaagagc 660
catcgggagg tgcattaaaa atcaaaagca ggagaaatca 700

```

```

<210> 2317
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2317
ccctccctga cctgtgtcta ctactcgct ggtgtactcc ctctagggcc agaaatgcat 60

```

```

ccccctgctcc  tgagtctctg  ctctgagcct  catctctggc  tgggaggatc  atcaggcacc  120
cagagggggcc  acagcctatg  tgtgccctct  tgggaagagc  catcgggagg  tgcattaaaa  180
atcaaaagca  ggagaaatca  tgagaccaga  agcctgtata  atttctgaag  tcctgcaggc  240
atccgttctt  gccctctatg  tctggagcta  gagtctgggt  caagatgcca  ggtggaagtc  300
ccaggccctt  gcccggtctg  cgcacctgca  tccccctgga  actgatgggt  cagaattgag  360
gtggcagatg  tgggctttct  gctctcagca  ggacgagtgg  ttctggaatg  agcctcctcc  420
aagactcttc  tggatccctc  acgggtccct  cagactttcc  ctgaggccct  gtttgggcag  480
gcacagctcg  ctgcatgtcc  ttggcctgtg  gcctgcccc  tctgagcccc  ggctggctca  540
ccccacaggg  catgcagcac  tacttttgca  ggctgttggg  agatgcactg  gatattctgca  600
agggaaaggtg  tttctgtttt  ggttttctgt  tttggcttgc  taggtgcctc  catctagcct  660
cagtctcgct  gtccatcaaa  gagagggaa  ggttaccagg  700

```

<210> 2318

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2318

```

ttggcctgtg  gcctgcccc  tctgagcccc  ggctggctca  cccacacagg  catgcagcac  60
tacttttgca  ggctgttggg  agatgcactg  gatattctgca  agggaaaggtg  tttctgtttt  120
ggttttctgt  tttggcttgc  taggtgcctc  catctagcct  cagtctcgct  gtccatcaaa  180
gagagggaa  gggttaccagg  gtccggacca  gcctcccagc  cttctcattc  cctggagggtg  240
agtgtaaatt  taggtttccc  tcatgggaag  tgggcctgtg  tagaccctc  cccagggccc  300
taaagcctcc  ccaccccagc  cccaggaggc  aaacgccacc  tgcatacctg  tgctcgagcc  360
tgactgatgg  caaagtgggt  gagccataca  gattttccag  aaagagccag  cttggaacac  420
caggacaggg  aaccatcctc  ctcagtcttt  ccacttgtcc  tgggtggggag  gagggtggtcc  480
aaggctgcca  ggggcagctc  ttgagtctgg  ccatcagcct  gggagagcag  gggagtcctg  540
ttgatcacag  acccactgca  tggggacatc  ctccctgatt  caaggctctc  tgaatggtag  600
tggcggtctg  ccagtgtttt  tattccttat  gctcaggagg  gcctcggccc  agcccatggg  660
atcaggacac  agagcagggtg  cgcagctggg  gctcacgaag  700

```

<210> 2319

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2319

```

ttgagtctgg  ccatcagcct  gggagagcag  gggagtcctg  ttgatcacag  acccactgca  60
tggggacatc  ctccctgatt  caaggctctc  tgaatggtag  tggcggtctg  ccagtgtttt  120
tattccttat  gctcaggagg  gcctcggccc  agcccatggg  atcaggacac  agagcagggtg  180
cgcagctggg  gctcacgaag  ggaggcaggg  aaggagaccc  ctgctctgct  gctcggcctt  240
cgctccggcg  cccgtgccc  tccgttgctt  cccacagct  gtccctccctc  cctgacaccc  300
tgacttgccc  cctcagggca  cacacatcat  ccacacagcc  tgctgtcctt  gctgcccgtc  360
gatctccagc  acagcccact  ttccctccag  gaaagggctg  agtctccaag  tgcaggcccc  420
aggcaagtct  ctgccaaagc  aggtcccggg  agcaccctgg  gtcaagggt  catgagtcctg  480
aggaggaggg  aaggaggcct  cacaccagaa  ggattccatg  gacccacag  ggcaggggagg  540
gctcatggaa  gggaaagggg  aggggtcact  catgagccat  ggctggagggt  agagttgagc  600
ttggggctct  tggggagcct  gagtgggagc  tggaggaggc  cttgacaacc  agccatggca  660
ggggacagct  gggagccagg  gtctctctca  gaagttcctt  700

```

<210> 2320

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2320

```

cacaccagaa  ggattccatg  gacccacag  ggcaggagg  gctcatggaa  gggaaagggg  60
aggggtcact  catgagccat  ggctggagggt  agagttgagc  ttggggctct  tggggagcct  120
gagtgggagc  tggaggaggc  cttgacaacc  agccatggca  ggggacagct  gggagccagg  180

```

```

gtctctctca gaagttcctt aaggcatggg gacagagaca aagaggagca cagaggacca 240
cccccctgga tctaagcccc caatgtgtgt gttgggtgtg gggagggggg gccaggtagg 300
aggacaggac agatgggcgt gtagaggcat ttactgggca atatgagagt ggtagagtga 360
gaagcatgga gctgaggcgc taaggctgcg ctgctcactg tgggcctgga accaggaggt 420
tgtagggcag aagttaacac gggaggcctt gatccagtca aggggagacc ccaggcacat 480
ccagggtcag acttaaaaga attcctgggc ctgagtgggc attagtgaac cactgttgct 540
taaggattca gaggtctctg actcaaataa ccttcatttt tctgcctcag tctctgtctg 600
tgtaatgggg ataatcacag cctgggtgcc tgggtcattg tggggattct ttgagtcctt 660
tctcagtcca ggagggcagc agcaactttg ctgacccacc 700

```

```

<210> 2321
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2321
attcctgggc ctgagtgggc attagtgaac cactgttgct taaggattca gaggtctctg 60
actcaaataa ccttcatttt tctgcctcag tctctgtctg tgtaatgggg ataatcacag 120
cctgggtgcc tgggtcattg tggggattct ttgagtcctt tctcagtcca ggagggcagc 180
agcaactttg ctgacccacc tcgttgagct tgacctgagg ctttcaaggg ggaaagttgg 240
gcccctagcc cccaccctg gtccacacca cctctgcctc ctctccctct ctcccaccat 300
gggtccccc tcttctctgg cccagggatt cccctctgct ggaccagccc ctatttcctc 360
cagcacctct ctccctctgc ccttgctcct tcttggttgg gttaaacaca cagtgtctgc 420
catggctcca tctgtcctt ccgcctccct ccaccacccc ctctcaggc cacagtcac 480
cagtcttacc gtctccacag cgccagctct gggctgggct ggctgggat cagagaggga 540
ggaatgggga gaagagacta gctaagacct agaggtgcct gggggccagg ctggctgggc 600
tccaggggca aaagcagtga cccagggcac agccttcacc ttggacactt ggcacccagc 660
cacactctgg cctctccact gcttagtctc tctgtgcct 700

```

```

<210> 2322
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2322
cggccagctct gggctgggct ggcctgggat cagagaggga ggaatgggga gaagagacta 60
gctaagacct agaggtgcct gggggccagg ctggctgggc tccaggggca aaagcagtga 120
cccagggcac agccttcacc ttggacactt ggcacccagc cacactctgg cctctccact 180
gcttagtctc tctgtgcct ccgcttacct tgtcttctcg acctccatgc cctcctcccc 240
cagggcatct gcctccttcc ttcctgtgct ttttccacc cttctctgct ggatgaactt 300
ctctctcagg ccccttctgt gccacccatg ggcagtgcct ccgatgaggt ccacgcccac 360
ccatcggtcc tgtgctgtct gtaatgacct ccaccgact gtgctgggccc aactgcacaa 420
ggccaggagg cctgaaaggc ctggcccagt gtctcaccta tgcccgcctc agcctggggg 480
agcgtgggag ggtcctcaga gcagtgtctc cactgagtca aatgggggct tgagtccagg 540
gcaggaggaa cagagccctt tcctggagtg ggaggattcc tgtcaagggg tgaggcttgt 600
tgtgccttct gagttctgcc ctcttaggc acttgccctt ctgtcaattt tcccttttgt 660
ttatttttct gcatttccaa gtttttcagt aaagagtata 700

```

```

<210> 2323
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2323
gcagtgtctc cactgagtca aatgggggct tgagtccagg gcaggaggaa cagagccctt 60
tcctggagtg ggaggattcc tgtcaagggg tgaggcttgt tgtgccttct gagttctgcc 120
ctccttaggc acttgccctt ctgtcaattt tcccttttgt ttatttttct gcatttccaa 180
gtttttcagt aaagagtata tacgctttcc catcttctcc tccaatgaaa aacaatagtt 240
tttgtttttt ttttttgaga tggagtctcg ctccaacaat agtttttaag tgaaaaataa 300

```

```

aattcctggc tgagagctgt aatccacctt tccccctgagc agacacctgg gatgtgggaa 360
ggcaggaact tgggccttct ctggtggttc tgggatttat aatggggcga tgctgcccc 420
tggcgccatc tggacacaca gacctggccc aaaggacagg ctccacatcc taatgccatc 480
acagtgggga ttcaatttta acatacaaat ttggaggggaa cataaacctt ctgtcaaagc 540
atgtagaaat tccccagcc tgtccaggaa ctgactgcca cttggttctg gccccagtct 600
ggctttaagc tgcagtctat actattccag aaggtcagcg aggagcccc agcgcctctg 660
aaaaggccg cccactgccc tctccagcat gtcacctccg 700

```

<210> 2324

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2324

```

acatacaaat ttggaggggaa cataaacctt ctgtcaaagc atgtagaaat tccccagcc 60
tgtccaggaa ctgactgcca cttggttctg gccccagtct ggctttaagc tgcagtctat 120
actattccag aaggtcagcg aggagcccc agcgcctctg aaaaggccg cccactgccc 180
tctccagcat gtcacctccg cgtgccaccc tccgccagcg acaggctcctg acgactggcc 240
tcgtgcacca ggtctgtgtc tgatccagcc actaacctg cctcttgagc gcatcagtca 300
ctaacacagg accagcagag gagacagctg ctgacccact ctccagggcg tgaagaggag 360
gtggcaagca gcgactcatc tgggaacatg gggctggggc acaaatgctg cctcagccca 420
ggatgaaaac aggactagct gtcacgtgcg agaggaggag aaagtgaggg ctggggggag 480
ctgggtgtgc aggagacttg ggaaacccag tccagagtca gacctctcac cctacctct 540
caggcctggc tcctccagga cctctgaagt gccctgagac cagtggcaca cacctcccc 600
tagtggtcaa tccagaaact gcagcagcat cctctgtatc tcctcccagg ctaagtccaa 660
caacagacat cccctggtcc ccaggcaatg ccctcagtga 700

```

<210> 2325

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2325

```

ggaaacccag tccagagtca gacctctcac cctacctct caggcctggc tcctccagga 60
cctctgaagt gccctgagac cagtggcaca cacctcccc tagtggtcaa tccagaaact 120
gcagcagcat cctctgtatc tcctcccagg ctaagtccaa caacagacat cccctggtcc 180
ccaggcaatg ccctcagtga gccaggctgg ggagagggtg ggggaggggg aaaagagagt 240
tcttctgtgg gaacataacg attttttagg gggaagaatt tagggaaata gagtctctgag 300
cctgtagcag ataaatcttc catcatctcc agtcccatc aagcagccgg gctgttcctt 360
attcataacc tcaagggagg gatggatcaa ggtggaaaac aggaaaaagg gggacaggac 420
ccctgcacct ggtgtcagcc tctgacgctt ttctgggact tgagagggaat cagagaggat 480
gctattgctg cttacgtggt gacagaggaa ggccccctctg cccctccttc cactggcaga 540
ctgagtaggg ccacaggggtg gtgtgcaggg gagttagagg ggggcactca gggctaaagg 600
gccagggtgt agactgaagc cactcggg atgtcccagc ctctgcctt ctgcctccag 660
gctggtctgc accacctccg tgccacagtg gctgtccctc 700

```

<210> 2326

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2326

```

gacagaggaa ggccccctctg cccctccttc cactggcaga ctgagtaggg ccacaggggtg 60
gtgtgcaggg gagtttagagg ggggcactca gggctaaagg gccagggtgt agactgaagc 120
cacactcggg atgtcccagc ctctgcctt ctgcctccag gctggtctgc accacctccg 180
tgccacagtg gctgtccctc cagtgggtcc ctgtgtaccc acctatttcg gaggagggcc 240
ccatcctggg atggtgtgga cagtccagag gtgggcagag tttgagttgg tccatggaat 300
aggaactcat caagccaagt aagggcagtc cagactgagg tgacaatgtg gatagaagct 360
ccagggcagc aagagaggct tcatggaagg ctgtctagga agtcccagca ctctgtttg 420

```

```

ctggagcatt gattaggggtg gtagccatgg gggaaacaga agcaacagat ggaggtgagc 480
cttatacggtt gtcctaagga tatggacaag gtccagaaga ccccgaggac tgggggattc 540
agtatagatc cacatgggtca gatttgcatt ttctaaaact ccatctggct cccagtaga 600
gcacagatcg tcagggtgtg gggtccaggg ctggccggga ggcctacagg gtggctgcta 660
aatcatcagg caggagaggc tgggggctta ggcaggggtg                               700

```

```

<210> 2327
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2327
tatggacaag gtccagaaga ccccgaggac tgggggattc agtatagatc cacatgggtca 60
gatttgcatt ttctaaaact ccatctggct cccagtaga gcacagatcg tcagggtgtg 120
gggtccaggg ctggccggga ggcctacagg gtggctgcta aatcatcagg caggagaggc 180
tgggggctta ggcaggggtg gagactccag gcttggaggg ttttaaagga atggaatgaa 240
gaattgggtg gcttgtgtca gcagaacctg ctgccttgag ggggtcaggg gatgttgatc 300
cctgatgttg gccctgggag gagcaggggc ggcggtgca gtttctggaa ggaccactag 360
ggggagacat gccacaggat tagcatgctc cagaccacag ggacctgaat tcaagcccca 420
gctggggccac tatcagctta ggcagttgct caaccaggcc gaacttcagt tcccatgaa 480
acgggaaaaa catactcttg gttgggggtga ggaataagtt agatagcata ggtaaaatgc 540
tcagaacggc tcctggtacc tggtagcagt tctgtggatt ttcaagattg ctagggttat 600
catcaccttt ctggaaatgg ggggtggcagg agggcagtggt gagaacaagc tcaccagac 660
agcatccacg tggcaggatc aagccaccca ggatttgtgg                               700

```

```

<210> 2328
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2328
gttgggggtga ggaataagtt agatagcata ggtaaaatgc tcagaacggc tcctggtacc 60
tggtagcagt tctgtggatt ttcaagattg ctagggttat catcaccttt ctggaaatgg 120
gggtggcagg agggcagtggt gagaacaagc tcaccagac agcatccacg tggcaggatc 180
aagccaccca ggatttgtgg cacaccagtc tcccttaaaa tggtcactaa gtcccaagtc 240
aaattgagac actggttaaca aagcagttgt tcagagtcta gtttattctc acacatccct 300
aggaaccagt ttaaaactcg aggtacaaat gaacatgctc cccacccac tctgagtttt 360
ttgcagaagc agcaggacat ggctcctctg ctaaaataaa tacagttcac actccaggca 420
ataaataaat aaatacatac atacataaat aaatagtctc aatgggataa aaatgagaac 480
acaaccgcac aaggccaaat gggagctgca catttcagaa attagataat taacaattca 540
tctgatgccg caggaaaagg tgaaatgctt ctggctcctgg aatgtgtgag agatgaccca 600
gaggtttcag aagttctgct gtttttgatg tcccaggcn ctgtggtgag aaggcccaga 660
gaacgagctg gacgttggac tnaaaagatc gcgaggctca                               700

```

```

<210> 2329
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```



```

<400> 2329
gggagctgca catttcagaa attagataat taacaattca tctgatgccg caggaaaagg 60
tgaaatgctt ctggctcctg aatgtgtgag agatgaccca gaggtttcag aagttctgct 120
gtttttgatg tcccgaggcn ctgtggtgag aaggcccaga gaacgagctg gacgttggac 180
tnaaaagatc gcgaggctca aagtcgtctg ttgagcctgc gcattctcaa gggttttcag 240
atagaacgtc agtttctctc ggaattcatt ccagtcaccg tccttgatat ggattggatg 300
tcgctataaa gaaaccaaga aggtggcatt aggtgagtcc aggctgtaat ggtgatgacc 360
agctgaggag caagccatga cgggcatctt gggggacagc ttaccgtggg tgcggccgtg 420
gccaggggca gacatggcag gagattctgt ggaaagagac caaagcagat ggtcagagat 480
tcccttgcaa agggagtggg ccttgccttc ctccccagag gcagggcagg gccaacacag 540
ggatcccaaa ccctcaacag cttcacatac tttaagaatg ctctcaattg ctgatgcggt 600
ctgtaaactc ttgacagccc tgttgaatgc ctccagggtt ggccttcgaa ggttattttc 660
ctaacggggc agagaatata cttaaggggg aaaggttaca 700

```

```

<210> 2330
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2330
ccctgctctc ctccccagag gcagggcagg gccaacacag ggatcccaaa ccctcaacag 60
cttcacatac tttaagaatg ctctcaattg ctgatgcggt ctgtaaactc ttgacagccc 120
tgttgaatgc ctccagggtt ggccttcgaa ggttattttc ctaacggggc agagaatata 180
cttaaggggg aaagggttaca gagtatccct cccacaagca ggtggaagtc acccccacag 240
tttcccaagc ccaactgttg ggacatcctc gggttccctc ctagtcccg tcttgccctca 300
ggtgggtccc tgcccaaggg cacaggccta gaagtgagtg gcaggcagga cctggtttcc 360
tcaagcccc agtctctggc tcattttgag ctacataaag ggcctaggtg ggctgggcgc 420
agtggctcaa gctgtatac ccagcacttt gggaggccga ggcaggcaga taacctgag 480
tcgagttcaa gaccagcctg accaatatgg tgaaccccg tctctactaa aaatacaaaa 540
atgggagtgg tgggtgcatgc ctgtaatcct agctacttgg gaggctgaga caggagaatt 600
gcttgaactc aggaggcaga ggtagcagtg agctgagatc gtgccactgc actccagcct 660
gggcaacaga gtgagactct tgtctcaaaa aaaaaaaaaa 700

```

```

<210> 2331
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2331
accaatatgg tgaaaccccc tctctactaa aaatacaaaa atgggagtgg tgggtgcatgc 60
ctgtaatcct agctacttgg gaggctgaga caggagaatt gcttgaactc aggaggcaga 120
ggtagcagtg agctgagatc gtgccactgc actccagcct gggcaacaga gtgagactct 180
tgtctcaaaa aaaaaaaaaa aatgggtggg gaggggggtac ctagggtgat ctttctgcac 240
ttgggggaaa aaatatctcc aaaaagaagc tctacaaaag acaggggggt ttccaaggga 300
agtatttgta gctcagaggc tgataacagt gttcatgccc tgactgaatt aaagtctcct 360
agaaatcaag aagaaaatca cagagacccc agcatggaaa tgggtgcagc atgtgagctg 420
tgagtgtccc aaacacagat ggcccaggaa ctacagaaa gtttccactt cttgtttgac 480
ccaagaaatg tcatgcaaag gtgagacaga acaactgcaa ccaactggaa ccatgaaaaa 540
taactgtaaa tgataatgcc acagccaatg aggggtggaa acacaaaactc aattttttta 600
gggaaaaaga agctggcaca tctgaggggg aaatttctgt ctgtcagtc cagagctctgcc 660
ctaccaaaaca ctgaccttaa ggccttgggt attcctcacc 700

```

```

<210> 2332
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2332

```

gtgagacaga acaactgcaa ccaactggaa ccatgaaaa taactgtaaa tgataatgcc 60
acagccaatg aggggtggaaa acacaaactc aatttttttaa gggaaaaaga agctggcaca 120
tctgaggggg aaatttctgt ctgtcagtc agagtcctgcc ctaccaaaca ctgaccttaa 180
ggcccttggt attcctcacc tagaactgcc ttttcatttt ctaattttaaa agtcattttc 240
attattatag ccatggctgt ggccatgtat tgaactctta agtgccagat gctgggccag 300
aacatgcaca ttgtgccatt tgattgtcat aacaatccca ctgagatagg tgctattaac 360
cctattttac agatgaagaa agcaaggcta ggtaagatgg aatgacatgg ctgaagtcac 420
ccaggcagga agtggatcgg gatccacggg ctgagctctt accatcagaa tgtcttggtc 480
ttccccattg aggttggtga agtcctgtgg ggggtgaagg agagaaaggc ccatgaggcc 540
ttttggcctt aggcagccac caccctcac tgctgcaggc cagtcttatc caagctactc 600
accagcaaag gcaaagggtg ctgctttaag tgtgttataa tttcatcgat catgttagag 660
cagttaaccc agcttgtctt caaggncgtt gtctgggtca 700

```

<210> 2333

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2333

```

agtcctgtgg ggggtgaagg agagaaaggc ccatgaggcc ttttggcctt aggcagccac 60
caccctcac tgctgcaggc cagtcttatc caagctactc accagcaaag gcaaagggtg 120
ctgctttaag tgtgttataa tttcatcgat catgttagag cagttaaccc agcttgtctt 180
caaggncgtt gtctgggtca tgggagcttg gagtccgggg cggaccagga gttggagcag 240
gagcaggacg ggcaggcggc tcatgttttg atcggcagga ggcactctgt cttgttcttg 300
tccttcgtgg ggctctgaag agttggcaac aacctccgc cttatatgtg cagcagcaag 360
gtgcccacaa ccccgggcaa ggcgggggga ggtggtggtg tggggcaggc gtcggaagga 420
tctttattctg acatggaacc tccatagaaa accacagacg taattattca tccatgactt 480
tctagtactc aagatcagtg aaacaagaaa aaagattact taaacgttat cacttcatct 540
tgtcaaggag gatgagagat gggaagcatg gcagcagggt agaggacccc tgtggcagga 600
aggggaagcc tgactcagct cactgaggcc tctgcccag tgggatctca tctgccatca 660
cctggactac cctggccctc tgctgcccgc cctgcttggt 700

```

<210> 2334

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2334

```

aaacaagaaa aaagattact taaacgttat cacttcatct tgtcaaggag gatgagagat 60
gggaagcatg gcagcagggt agaggacccc tgtggcagga aggggaagcc tgactcagct 120
cactgaggcc tctgcccag tgggatctca tctgccatca cctggactac cctggccctc 180
tgctgcccgc cctgcttggt cctggtgggt ggccaggagg cactggaac agatgagagt 240
ttgtctggta gccggtcacg ctgctaaaca tccacgttca gcctcaggct ctgagaagca 300
catctcttgg tgccgcttcc caatacagaa ttactgggtg tccagtcctc agtggtttgt 360
cccatgggct tcgggcagct tctccttgac actttgtttc tgggtggatgg ccgagggcgc 420
tcaggcccca ggtggccatt ctcttactgg tctgctagca gtggcatggc tgttccctgc 480
gtgtgggact cagcctctgc aggaggccc gctgcagccc ctggcagtc ctctggtagc 540
accgagagct gagctcaggt acctgaggac actgtcactg ggagctgggg gaggggctgg 600
cctgggaggt ttaggaggca gaattggcat ggtctgaggg gtgagggtcaa gggaggagaa 660
aggagagcaa ctccctggtt tcagactggg cctcaggctg 700

```

<210> 2335
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2335
 aggaggcccg gctgcagccc ctggcagtc ctctggtagc accgagagct gagctcaggt 60
 acctgaggac actgtcactg ggagctgggg gaggggctgg cctgggaggt ttaggaggca 120
 gaattggcat ggtctgaggg gtgaggtcaa gggaggagaa aggagagcaa ctccctgggt 180
 tcagactggg cctcaggctg ctggggcagg gattggcagg agacagttgt attgagaggt 240
 cttgatcccc gtctgtgctg agcatggatt tgccagggtgc aggcccagta ggcaaggttt 300
 gcagagaggg gatgtgagtg gggacagacc atggggaaat ccacaaggga cctgagaaac 360
 tgcagccaga taggaagcag gaaaccaga agggcggggg tggttatccc agagggcagc 420
 ccctgagaga agaggggtcc tcctgatacg ggctgtctt ggggcctgcc tgaccacccc 480
 catggggtag gggcttttgg taaagggatg agtgtgacag gggcatgtgg aagacttctt 540
 caagatgatt ggccccgggt gggagggaga ggagagcagt aaggaaaggc cagggctctg 600
 gtcattggtg ggtgtgttgt gatcagtggt ggggatgcgg gataggaggt tatgctgagg 660
 cagcgaatt tgggtgcttt gggcttctga gcataagcag 700

<210> 2336
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2336
 taaagggatg agtgtgacag gggcatgtgg aagacttctt caagatgatt ggccccgggt 60
 gggagggaga ggagagcagt aaggaaaggc cagggctctg gtcattggtg ggtgtgttgt 120
 gatcagtggt ggggatgcgg gataggaggt tatgctgagg cagcgaatt tgggtgcttt 180
 gggcttctga gcataagcag atcaggtgaa gacaaggacc aggatgtggc tgtggggagg 240
 caggtgaaga ggctgtgact caaggccatg ctgtgaggat gatttctgta gctgatatgc 300
 cctcctggct cagccccagg ctggggcctg gaccaggaag agccctaggt tctggacccg 360
 gagtggagtc tgacaggcac aactcaacac acagagggga gccttagcac cagcttgctg 420
 actccgtagg cacaattcat tcaacagacg tctacaaagc acttgctgtg aataaaacag 480
 acatggtaac ctccactagc agctcagtc tgtgaggaga cagatttcca gtcttgctac 540
 ccttctgtg gtcccagacc tgcaggtcag cctgccccg gagcttggtt gcgggtgtcaa 600
 cctcaggcc ccagcccaga ctttctgaat caaaaatcgc attttgataa gatcctcagt 660
 gattcagtgct atttgagggg ctctgatcta actacctcag 700

<210> 2337
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2337
 agctcagtc tgtgaggaga cagatttcca gtcttgctac ccttctgtg gtcccagacc 60
 tgcaggtcag cctgccccg gagcttggtt gcgggtgtcaa cctcaggcc ccagcccaga 120
 ctttctgaat caaaaatcgc attttgataa gatcctcagt gattcagtc atttgagggg 180
 ctctgatcta actacctcag caatcttagc tccggtaggg tccctattg cccacaggac 240
 ccagagtttg ttccctgcat actcaactgt accttggtgt tactgtctat gtaaactgtt 300
 tggggacttg tgcacaaata atgtgattcc ttacagagaa aagctgtatt ttttttagtg 360
 taagtgggct tttctagggg attttaagt tcaatgaatt taaagctgtg gagacaaaac 420
 attcctgtat ttttttttgt ttctttaaaa gtcaagactt tgtgttgtaa ccacacatgc 480
 acacaaaatc ctgaatagta gtattgtaaa tcttgacatt tgtagtgttt ttctattttt 540
 aaaaatgaat atataccagc ctgagcaatt tggcgaaacc tcatctctac aaaaaatata 600
 aaaaattagc caggcgtggg ggtgcacacc tgtggtccca gctacttagg aggctgatgt 660
 gggaggacca cctgagcctg ggaggtcgag gctgcagtga 700

<210> 2338
 <211> 700

<212> DNA
 <213> Homo sapiens

<400> 2338
 gtattgtaaa tcttgacatt tgtagtgttt ttctcatttt aaaaatgaat atataccagc 60
 ctgagcaatt tggcgaaacc tcatctctac aaaaaatata aaaaattagc caggcgtggt 120
 ggtgcacacc tgtggtccca gctacttagg aggctgatgt gggaggacca cctgagcctg 180
 ggaggtcgag gctgcagtga gttgtgattg tgccactgca ctccagcctg ggcgttggag 240
 tgagaccatc tctccaaaaa aattatataat atacacatag tttattaaag gcaaaagagg 300
 ttgaggcttc atgctaggag cattggagga cttgcggggg tttcaaccag gggaggcgag 360
 gtgaagctca ggtgcacctg ctgtggggga aaggatgaga aagttcaagg cagcagggtg 420
 gccagtggag agatattggg agtcctctgg aagacagggt gtgggaagct ggactaggta 480
 gggtctctac ggggtggagag gactgggtga aggggaagcg tctcacagct gacttctatt 540
 gagtggcact tgtgaagtgt ggagaactaa gttcttttca tggctgaact tgttaatcct 600
 catgatgaac tgtgaggcag gtgctgttat tagccccatt ttccagatga agaaactgag 660
 tctcagagaa gctgagctga tgtagctagg aagtgcacatc 700

<210> 2339
 <211> 700
 <212> DNA
 <213> Homo sapiens

<400> 2339
 gactgggtga aggggaagcgc tctcacagct gacttctatt gagtggcact tgtgaagtgt 60
 ggagaactaa gttcttttca tggctgaact tgttaatcct catgatgaac tgtgaggcag 120
 gtgctgttat tagccccatt ttccagatga agaaactgag tctcagagaa gctgagctga 180
 tgtagctagg aagtgcacatc actgggactg agataagcag aacagtccaa cccagaggct 240
 gagcaccccc tgggcagcat cggacaatga cggccttaaa ggatgatgcc atgtggcagg 300
 aggggacagc aggggtgagga tgagatgtaa ccactctgat tactgacggg gagatccctg 360
 aggcctctgg cggagtagtt tcagtgtatg gtggggcaaa gcctctggca gtgggctgag 420
 aagcgagtga cggtgagacg gagggtagaa gattctttga agttttattt tgaaggaaag 480
 agggggatgg ggcagccaga ggagtcacag ggtcagagac gcaccttcca cacagaagtt 540
 tgagctcctt cctctcttaa ggaggtgagc cgggaatggg tgagatggct ggccggccag 600
 cacaggcaga gccccaccat cagctgtcac gggctcctcg cagagagctc aggggaagggc 660
 tgccctgggtg gcccagtcca tctgggtggg gtaggtgcag 700

<210> 2340
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2340
 ggagtcacag ggtcagagac gcaccttcca cacagaagtt tgagctcctt cctctcttaa 60
 ggaggtgagc cgggaatggg tgagatggct ggccggccag cacaggcaga gccccaccat 120
 cagctgtcac gggctcctcg cagagagctc aggggaagggc tgccctgggtg gcccagtcca 180
 tctgggtggg gtaggtgcag tgggggtggg ctggttggtc cacagggttg tgggtgggagg 240
 ggacaatggc ttctgtgttc tctgtgaaat agaggtcaag tcagcccctg aggtggggct 300
 agaagcaata aggggtggtga ggtttggtgg cttgagctgt gactacctgg aggtgacctt 360
 gaggggctgg cagcctgggg tcagagggcg agggaggttg gaggaccag ggccttggca 420
 ggcaagaata tggaaatggaa ggccccagag gcagggagtg gggccatggg agggagctgg 480
 gatgggcagg gaggccagct gggcagagca aaggaggcag gaggtggtgc agccccggac 540
 cccggagagg ccagtgact gcagcccaat acctgctgcc gttcagatgaa ccaggaggga 600
 atggaggggc atgttcttaa aagcaaacct cattccaaag gggctgccaa ggatatctgg 660
 gtagttggcc accacagcgc ttngtgcagc ccttggaccg 700

<210> 2341
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2341
gggcagagca aaggaggcag gaggtggtgc agccccggac cccggagagg cccagtgact 60
gcagcccaat acctgctgcc gttcgatgaa ccaggaggga atggaggggac atgttcctaa 120
aagcaaacct cattccaaag gggctgccaa ggatatctgg gtagttggcc accacagcgc 180
ttcngtgagc ccttggaaccg aggcatagcc tgggtcatcc tgggggtctc cttcaagggt 240
tgccttgact ctataggagc ttcattgcaa atcatgggca ccacttccct cctccagagg 300
cgacagtcct gccagccctt gaggagagac ctgggtccct gtaagatggg gattccaccc 360
caggcctttg tgtcaaccca gcccggctta ggggaaacct cctttgtggg ctgggctgat 420
tgctatcaag aagggaatg agcacacgtg cccaccctg gggcaggcat gagggagggt 480
gtgccagggc ccggacagga gagccagccc aagactgcag cccagggtct gccaaagccc 540
tggagggttc aggaggggtc tctggacccc tgtctaattg atccctgtgg gcctgaccn 600
nccctnnngn nnnngncacn ttgttgaag tcctggccct canggtccag tccaactaga 660
ggtacatgcc tccttcttcc catcactcac cccacagggc              700
```

<210> 2342
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

```
<400> 2342
gagccagccc aagactgcag cccagggtct gccaaagccc tggagggttc aggaggggtc 60
tctggacccc tgtctaattg atccctgtgg gcctgaccn nccctnnngn nnnngncacn 120
ttgttgaag tcctggccct canggtccag tccaactaga ggtacatgcc tccttcttcc 180
catcactcac cccacagggc ctagtggaat tttctggggg acccgccaca ggcaagaacc 240
tgggcctcag tcaactgtgac aagctcctcc gccacccttt ccatggcatc acaagtgtca 300
gattttaatc gcccatgacc tcggttgtat ttccgctggg ggccctgatg acatcgccctg 360
gttttgtcac cacaaangca gctcagggtt cttggccagc caagcagtgc aaccagatgt 420
cccctgctca cctgagcaga gagctcagga aaaagccacc gagcggggcc agctggagag 480
ccctggcctc ctgtcccaan cnnngntctg actccatccc caagacctac acagcctcca 540
cctgtgcacc ctgccttttc tattccctgc tgcagggtca tggcttcctt gggggcccagt 600
cgngcagag cagaccctcc atcccaggcc cagtctaata gagaagacag ttggagaatc 660
cccatttaga atgatatgcc tgtgggagac agaagcccag              700
```

<210> 2343
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2343

```

cnnngntctgc actccatccc caagacctac acagcctcca cctgtgcacc ctcgcctttc 60
tattccctgc tgcagggtca tggcttcctt ggggcccagt cggngcagag cagaccctcc 120
atcccaggcc cagtctaata gagaagacag ttggagaatc cccatttaga atgatatgcc 180
tgtgggagac agaagcccag aaatgaggca gcctcatcca gcctgcacca tcagagaaga 240
caggaggaaa ggacagctat gacctaaagg atgatctgga gccaggcaag ccacagaaga 300
agtgttccct agggagtgtc ggggtttggg ctgcagggtgc tccatctgtt ggctcaatc 360
cagggtcca atatctggat acctggggtg gccatatggt tcctattgtt attaataagt 420
tatgggcttt cagtgtctgt cactctcttg ttaccacact gaaatacaaa gctttggaag 480
atgcattcct attgcattta tcatatctat cgcagacaaa accaagagct ccccgttctc 540
aaagaagctg ccccaaaact gtgaggtgac aagggttggg cataaatgct aagaacctgg 600
cagtccaggc cctcaggaaa tgctctctta agtgggggag acttcacatg gagcattagt 660
tgtgtagatg atgttgccat gcgaagtctt gtctgcctcc 700

```

```

<210> 2344
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2344
tcatatctat cgcagacaaa accaagagct ccccgttctc aaagaagctg ccccaaaact 60
gtgaggtgac aagggttggg cataaatgct aagaacctgg cagtccaggc cctcaggaaa 120
tgctctctta agtgggggag acttcacatg gagcattagt tgtgtagatg atgttgccat 180
gcgaagtctt gtctgcctcc caggagaga ggggaagggc cggcctgggt gggcagctgc 240
aggctcagagc tgtccaggga aggacaggac cagatgctag ctaggcaggg gcacagacag 300
accagggtga gctcagagcc aggtgcctc tcagccgtgc ctgctctgtc ttatcttctc 360
tgggtgaggtg aggagaaacc ttttacattg tttccagcct tactgatctt ttctttacag 420
aaaatgatga ataagttgat gtgtttgtcg tggaggttcc atatcagaaa agagtatcag 480
tccactgggg cttctcccca cactcatca tccccccaa cccccacacc cctgaatct 540
cctgcaccgc cctcaccgt gctgggcctt tacagaggat gtggggccagg ccacttcaga 600
tccacacagg ttaggggaaga ccacggtacc tccaagcagt acagatatgt ggagaccggt 660
ttgcctcccc ctctctctca tccttcttcc tctcagcctc 700

```

```

<210> 2345
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2345
cacctcatca tcccccccaa cccccacacc cctgaatct cctgcaccgc cctcaccgt 60
gctgggcctt tacagaggat gtggggccagg ccacttcaga tccacacagg ttaggggaaga 120
ccacggtacc tccaagcagt acagatatgt ggagaccgtt ttgcctcccc ctctctctca 180
tccttcttcc tctcagcctc caaaagcccc taccacaaat ggccattaga atccagacta 240
aagacaactt cttgaacatc atccttgaaa tccagtggca actgagcacg ccctctatga 300
gtagctggtg ccagatgggc acagggtagg aacagctccg ctgggcccc aaggaggcag 360
tcatgggttc ttgctcttcc cctgcagaaa ggtgagatcc aggagcaatg gatcctgagg 420
tgggcacaca gccccgaagt cccactgccc tccctaccag tcgtcactgc cattgtattg 480
ctggtcactg ctctgggctt gggcacattt ggggtaggcg cacctgcagg gtcacactgg 540
agtcagcctt tatctggcat cttcactgca gatgcattca ccagcctatt ctttgctca 600
tggaggatgt gcgtggtaga tgttctttgc caagtgtggg agttgtaata ttcacattgg 660
cacagctggc ttcttcttct ttgcatcctg gaagctgggt 700

```

```

<210> 2346
<211> 700
<212> DNA
<213> Homo sapiens

```

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<400> 2346
gggcacattt ggggtgaggcg cacctgcagg gtcacactgg agtcagcctt tatctggcat 60
cttcactgca gatgcattca ccagcctatt ctttgctca tggaggatgt gcgtggtaga 120

```

```

tgttctttgc caagtgtggg agttgtaata ttcacattgg cacagctggc ttccttcttt 180
ttgcatcctg gaagctggtt cagaaagtgc ccgtataccc caggcccttg cccagtgcac 240
ctggagccag gaggcacgat ggtccctgcc ctgccggcct gtgtcagact gtgctgtgac 300
ccgcttggct gctgtgctcc taaagcagct gggttcctcc tggggcctgg gcaggacaga 360
gctgggggag gtgatggggg aactagtga gggccaccca gaaaggaggc aggggaatgg 420
caaacaaggc cacaaggaca gcccttcctg gccgtaccac acacacttgg cccctgtaga 480
acaccacctt tctgaagcct aacctggctg ccttactgaa cacctcaaag ctctttaaag 540
ctcatcttct ttatccattt ggaacaatcc aaagatgatt gaggtgtgtg aggctgggga 600
gcgtccctct gtcactggag tctctgtgtt cccagaagag cccgttccgg gtcaaagtac 660
ctgcccttgt cctgcccttt cccaaacagg aacagcattt 700

```

```

<210> 2347
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<400> 2347
aacctggctg ccttactgaa cacctcaaag ctctttaaag ctcatcttct ttatccattt 60
ggaacaatcc aaagatgatt gaggtgtgtg aggctgggga gcgtccctct gtcactggag 120
tctctgtgtt cccagaagag ccggttccgg gtcaaagtac ctgcccttgt cctgcccttt 180
cccaaacagg aacagcattt ccactccacc tctgcccccc aggttcttcc cctctccact 240
gccagcagcc cctccagggc tggggccagg ccaccaccca ggaccttctc agtcttttca 300
aaaggccctc ctggtctatt tggcttccag aagctgactg gcctcttttg tctctggccc 360
acaggaactc ctgcaaacct tgcccatctc cacacctaca cccagggaag gctgccacct 420
gggctgggat gccactgcc ccaggctgag caaggtaact gccacgacct ttccaccttc 480
tctacacctg acccaatgtt ctggtttctt caagggaata acagcggtg cacatcgaag 540
aaagcaattc taataacttg ttgaatagct tcccagaaac cctgggtgat gttgggctct 600
tgctaccaac caaatctctc atgcctttgt tcaggctctt gaactcccag gcctgagagc 660
tgggctcagg tctgggtcga ccaatattcc ttctcgatat 700

```

```

<210> 2348
<211> 566
<212> DNA
<213> Homo sapiens

```

```

<400> 2348
ctgggtttctt caagggaata acagcggtg cacatcgaag aaagcaattc taataacttg 60
ttgaatagct tcccagaaac cctgggtgat gttgggctct tgctaccaac caaatctctc 120
atgcctttgt tcaggctctt gaactcccag gcctgagagc tgggctcagg tctgggtcga 180
ccaatattcc ttctcgatat cccaggaata ctccactctt tggtacagac gttggcagtt 240
gaaagtttag ctctggaatg agccgctcag ttttcatctt ggggatactg acaatcatgt 300
gtatttatgt tgcagattac ttaacgggta ttcaacttct tgtgaaaata ttttatttta 360
ttaaggagac cctcttagga gcctctgagc agagctcaga gcgggtacga gagcatctac 420
atttctctct cagggttcag taaattcctt ctctctggg aaagttagca cttttagag 480
gggtccctttg tcagcagtg tgcatttcta gaaggcttct ccatttgact tgggtctggg 540
ttgcaatttc cacactccac agttaa 566

```

```

<210> 2349
<211> 700
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(700)
<223> n = A,T,C or G

```

```

<400> 2349
cactgcaacc tctgcctcct gggtaagca gttctcctgc ctgagcctcc tgagtagctg 60

```

```

ggattacatg ngactgccac cacacccagc taattttttg tatttttagt aaagatgagg 120
tttctactatg ttggccaggc tggctctcaa ttcctgacct caggatgatcc acctgcctca 180
gccnncncna nngnnnnngnn nnnannngng nnnnnnngng tgcccagcca acaatatgct 240
ttattatctg atagagctag tctctactta ttactcttct atttcagaac cttcctagct 300
attcttccat gcttattctc cctaaggcat tttggtatca ttttggttaa agtcctactt 360
accatttcac tttctgcac tgctctaagg tttctggaag agtcattccc aaactttcag 420
ggaaaaaaag ggtgaagatt ccaatcagga cagtcagact acccatgacg atgtagggca 480
gcattctgtt gtaagcacct gtaaagcccg ggacataaga acatcaatca gataggagga 540
ctctctgggc actcttgagc atcattttgt gaagttggtg aacagtataa gagaatggat 600
ttaaatctga acattttcag agaaaaaaa gtaagcaaaa tatcagtttc tttttggcag 660
atgacattgt gcatgtctat aatccttttg cattatcata 700

```

<210> 2350

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2350

```

gtaaagcccg ggacataaga acatcaatca gataggagga ctctctgggc actcttgagc 60
atcattttgt gaagttggtg aacagtataa gagaatggat ttaaatctga acattttcag 120
agaaaaaaa gtaagcaaaa tatcagtttc tttttggcag atgacattgt gcatgtctat 180
aatccttttg cattatcata aggtttttca ttctttcctg tcaactggta tcctctaagc 240
tactactcag tcatgtgtga cagatgttcc tttggtagag ttctttgcct accagagttc 300
tcctcttaag gtggaggtaa ttggaaatgg gggatgggag gacatcaagg agaaggaggt 360
taaccaggat gtttcaggga taggttttgg cnatgatagg tctggcatga ctctgctttt 420
gcccaaacta gtaggctgca gtggaaagtt aggtccacag ggctatgaga ctcaaaaaaa 480
aaaaaaaaa aaaaaaaaaa aactaagtat tatgttccact tcagattaaa tcagtaaatt 540
ataagtatca ggcacattct gtaaaggcac tgtgtgcctg gatttggtt ctttttgag 600
cacttacatg tcttggttga atatgtaatc tctttgtgaa gctttactca cacaggagaa 660
aaacagatcc tcatcttgct ttgcccctgt atacatacag 700

```

<210> 2351

<211> 700

<212> DNA

<213> Homo sapiens

<400> 2351

```

aactaagtat tatgttccact tcagattaaa tcagtaaatt ataagtatca ggcacattct 60
gtaaaggcac tgtgtgcctg gatttggtt ctttttgag cacttacatg tcttggttga 120
atatgtaatc tctttgtgaa gctttactca cacaggagaa aaacagatcc tcatcttgct 180
ttgcccctgt atacatacag agcttacaga ggaacagcac acccatggat ttcatttgac 240
ccaaaacata aggaaaatat tgttattgca gcttctctga ggctctgtg tcaactaacag 300
gagtagctgt gtggagtagg agactcttgg actccctgtc ttatgtacca gtgtctgacc 360
actggaccat ctgagcatag tttgaaatag tttgaaagta caggggaagga caaaggga 420
aataacacca ctctgtataa tctgctatct caggtgtggc acagggcaac tgtgcagaat 480
atgtttgtta ggaaaatgtt tctctttctc tgtaagggtt tggattatac ctttcttgag 540
aattcataca tgttttcagg tgtgtgtgtg tgtgtgtgtg tgtgtgtacg tgtgtaccag 600
taggtaacca attgcccatt tgatgaggtg tgtctgcatt tctcaccagt agagtcctta 660
atgaggacca ggcattgggt gtcagatcct acatcagatt 700

```

<210> 2352

<211> 700

<212> DNA

<213> Homo sapiens


```

<400> 2352
tctctttctc tgtaagggtt tggattatac ctttcctgag aattcataca tgttttcagg 60
tgtgtgtgtg tgtgtgtgtg tgtgtgtacg tgtgtaccag taggtaacca attgcccatt 120
tgatgagggtg tgtctgcatt tctcaccagt agagtcctta atgaggacca ggcattgggtt 180
gtcagatcct acatcagatt gaacatgccg ctgaaacacc tctgtagttt catttcagat 240
tgacaccttt gagtatataa aaactaaaat tgtcttcatt acaaagatat cataaagtga 300
aaatacaaat ggtaaaactag gaaaaatatt tacaacatat atacaagggg ctaattttctt 360
ccattgcaaa gagtttgcac aagtcaaaaa gaaaaagatg aatacacctg ttgcaggaag 420
ttagggaccc cgaaaggagg gactggctga agccatggca gaagaatgtg gattgtgaag 480
atttcattgga catttattag ttccccaat taatactttt ataatttctt acgcctgtct 540
ttactgcaat ctctgaacat aaattgtgaa gatttcatgg acacttatca cttcccaat 600
caacaccctt gtgatttcct atgcctgtct ttaatctctt aatcccgta tcttcataag 660
ctgaggagga tgtatgtcgc ctcaggaccc tgtgatgatt 700

```

<210> 2353

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

```

<400> 2353
ttccccaat taatactttt ataatttctt acgcctgtct ttactgcaat ctctgaacat 60
aaattgtgaa gatttcatgg acacttatca cttcccaat caacaccctt gtgatttcct 120
atgcctgtct ttaatctctt aatcccgta tcttcataag ctgaggagga tgtatgtcgc 180
ctcaggaccc tgtgatgatt gcgttaactg cacaattgtt ttgtagagca tgtgtgtttg 240
aacaatacga aatctgggca ccttgaaaaa agaacaggat aacagcaatg ttcagggaac 300
aagagagata acctaaact ctgaccgctg gtgagtcggg cagaacagag ccatatttct 360
cttctttcaa aagtaaattg gagaaatatc gctgaattct ttttctcagc aaggaacatc 420
cctgagaaaag acaattcgtc cctgagggtg ggccctctaa atggccactt tgggggcagc 480
tgtcttttac ggtnagct gtagggatga aataagcccc agtctcccggt agcactccca 540
ggcttgtag gatgaggaaa ttccaccta ataaattttg gtcagaccgg ttgtctgtct 600
tcaaaccctg tttcctgata agatgttatc aatgacaatg cgtgcccaaa acttcattag 660
caattttaat ttgccccgg tctgtgtggtc ctgtgatctc 700

```

<210> 2354

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

```

<400> 2354
gtagggatga aataagcccc agtctcccggt agcactccca ggcttgtag gatgaggaaa 60
ttccaccta ataaattttg gtcagaccgg ttgtctgtct tcaaaccctg tttcctgata 120
agatgttatc aatgacaatg cgtgcccaaa acttcattag caattttaat ttgccccgg 180
tctgtggtc ctgtgatctc acctgcctc catttgccct gtgatattct attacctgt 240
gaagcagctg atctctgtga cctacaccct attcgtaac tccctccctt tttgaaatca 300
ctaataaaaa cttgtcgggt ttatggctca gggggcatca tggaacctgc caatatgtga 360
tgtctcccc ggacacctag ctttaaaatt tctctctttt gtactctgtc cttttatttc 420
tcagaccagc tggcacttag ggaaaataga aaagaancct atgtgaatta tcagggtcga 480
atgttgcccg atatacacca ttaaagaatg ggcaaagaag gccaggcaca gtgggtcatg 540
tctgttatcc cagcactttg ggaggccaag gcagggtgat cacctgaggt caggggtttg 600

```

agaccagcct gaccaatatg atgaaacccc atctctacta aaaatacaaa aaaaaanaaa 660
 aaattagccg gacatggtgg catgcgcctg tagtcccagc 700

<210> 2355
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2355
 ttaaagaatg ggcaaagaag gccaggcaca gtggctcatg tctgttatcc cagcactttg 60
 ggaggccaag gcagggtggat cacctgaggt cagggggttg agaccagcct gaccaatatg 120
 atgaaacccc atctctacta aaaatacaaa aaaaaanaaa aaattagccg gacatggtgg 180
 catgcgcctg tagtcccagc aactcaggag gttgaggcag gagaattgat tgaacccagg 240
 cggcggagggt tgcagtgagc tgagattgcg ccactgtanc tccagcctgg gtgacagagt 300
 gagactccat ctccaaaaaa aaaaaaagggt gcaaagaaca tgagcagtca gttcactgaa 360
 aaataaataa aatggccaaa aaatacacaa aaacatgctc aacctcattc ataattaata 420
 aataggaatg aaagtaacaa tgatatccat ttttcacata acagataacc aatgattaaa 480
 aaattaggcc aggtgctgtg gctcaaacct gtaatcccag cactttggga gggtgaggcg 540
 ggtggatcac ttgagcccag gagttngaaa ccagcctggg caaactggca aaatcccgtc 600
 tntaccagaa aaaaaaaaaa attagctggg cttgacgggtg tgcatgcctg tagttccagc 660
 tagttgggag tctgaggtgg gaggatctct tgagcctggg 700

<210> 2356
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 2356
 gctcaaacct gtaatcccag cactttggga gggtgaggcg ggtggatcac ttgagcccag 60
 gagttngaaa ccagcctggg caaactggca aaatcccgtc tntaccagaa aaaaaaaaaa 120
 attagctggg cttgacgggtg tgcatgcctg tagttccagc tagttgggag tctgaggtgg 180
 gaggatctct tgagcctggg ggattgaggc tgcagtgagc tgggaatcta ggatcgacc 240
 actacactcc agagtgagac cctgtctcag aaaaaaaaaa aaaaaaaga attaggtaat 300
 ctttattggt ggtgagatta ttgaaaacca ctcttaccta ttaataatta gattataatt 360
 ggcacaatat gtagagttca atttgggaat atctatgaaa ttttttaatg gctctctttg 420
 ctccaggaat tttacttcta tgaatctacc tgtaaatacca aatatacgta agtaaattca 480
 caaagggtgt aggagcatag gnagaatggt cgttgtaatg nttatttgta atagcaaaaa 540
 cctggaaatg acctacatgt cctccattca ttggagcctg gttaaataaa ttatgtgttt 600
 cnagtataaa agtaagattt tncattgtga aaacttcaaa tggcatggaa tgtactggaa 660
 aaaagtacaa gttcacctcc cctctcccag gaggatccct 700

<210> 2357
 <211> 700
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(700)

<223> n = A,T,C or G

<400> 2357

```

gnagaatggt cggttgtaatg nttatttgta atagcaaaaa cctggaaatg acctacatgt 60
cctccattca ttggagcctg gttaaataaa ttatgtgttt cnagtataaa agtaagattt 120
tncattgtga aaacttcaaa tggcatggaa tgtactggaa aaaagtacaa gtccacctcc 180
cctctcccag gaggatccct agaaaaccaa catgaactgt ttggtgagta gccctacaga 240
cattttgttt tgcacaacat tatgtacaca cacacatata tatataattt tttanacggc 300
actctttgct ccaggaattt tacttctgtg aatctatctg tagattatac ttacatatac 360
ttatttttaa atgtacttat atacattttt aaaaggaggt acctatttaa aaagaaggta 420
aaggagcaat atgtaactat ttggaaggat attctgatac aatgttaaagt ttaaaaagtt 480
ttaacatata taatgtttat tgtgtgttta ttctttttat tttttattat ttttatttat 540
ttttgagaca gagttttgct nttgttgccc aggttgaggt gcagtgggtgc aatcttgact 600
cactgcagcc tctgcctcct ggggttcaagc aattctccta cctcagcctc cagagtagcc 660
gggattacag gcacctgccg gcacacctgg ctaatttttt 700

```

<210> 2358

<211> 700

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(700)

<223> n = A,T,C or G

<400> 2358

```

tgtgtgttta ttcttttttat tttttattat ttttatttat ttttgagaca gagttttgct 60
nttgttgccc aggttgaggt gcagtgggtgc aatcttgact cactgcagcc tctgcctcct 120
gggttcaagc aattctccta cctcagcctc cagagtagcc gggattacag gcacctgccg 180
gcacacctgg ctaattttttt tatttttagt agagacaggg tttcaccatg ctggccaggc 240
tggtcttgaa ctctctggcct caggtgatcc acctaccttg gcctnccaaa gtgctgggat 300
tacatgcntg agccaccacg cctgagttgc nngtgtgttt aaaaaattat atacatacnt 360
gngnacatga tgtngtgcaa aacaaantgt ctgnancnct actcaccagt ttngnatngg 420
ctttctagag ctccctcctgg gagaggagag gngaacttgt actttntttc cngtacattc 480
tatgctattt gacgttttca caatgaaaat cttactttta ncattgaaaa ctaattttaa 540
ggaagaacaa atgcacaaga tgcagctcac cgaggtaaac aaagtagggg gcaatgatgc 600
tgcccactct ggaggccgtg gatgtgaccc ccaccgccat gttcctgacc aggggtgggt 660
agagctcagc agtgaagaca tacagcatgg agaaagcaga 700

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